



ggaagacccc	cagcgaatca	aatagcccct	cttcacccct	cctctcagct	ctgagtgtatt	960
cagccaacag	caaagatgat	tcagatggct	cccagaaaaa	caagggcggg	aacaatctgc	1020
tggatcatctc	tgtcatgcct	gggagccagc	cctcactgaa	cagttaggaa	aagccagaga	1080
aaggggttcga	atgtgttttt	tgcaactttg	tctgcaagac	gaagaacatg	tttgagcgtc	1140
atctgcagat	acacctcatc	acccggatgt	ttgagtgtga	tgtgtgccac	aagtcatga	1200
agacccccga	acagctgctg	gagcataaga	aatgccacac	tgtccccacc	ggtgggctca	1260
atztatgttc	taggatgacc	aagtagaaga	atactttgaa	aaaattgata	atgccttctg	1320
gctatacagt	gcccattctg	catttattcc	accaaccgcc	ccgctgccat	ggagtgccac	1380
ctcaagaccc	actacaagat	ggagtacaag	tgccggatct	gccagacggt	gaaggccaac	1440
cc						1442

<210> 5969  
<211> 2151  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(2152)  
<223> n = a,t,c or g

<220>  
<221> misc\_feature  
<222> (2065)...(198)  
<223> similar to gi3319931 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 5969						
gcccgcggta	gtaaacctgg	atccttttaa	acggcccccc	cttttttttt	tttttaattg	60
caaataagatt	taatgcagag	tgtcaacttc	aattgattga	tagtggtctg	ctagagtgtc	120
gtgttgagta	ggtttctgag	gatgcaccct	ggcttgaaga	gaaagactgg	caggattaac	180
aatatctaaa	atctcacttg	taggagaaac	cacaggcacc	agagctgcca	ctggtgctgg	240
caccagctcc	accaaggcca	gcgaagagcc	caaattgtgag	agtggcggtc	aggctggcac	300
cagcaactgaa	gccaccactg	gtgctggcac	tggcactggc	actgttattg	gtactggtag	360
tggcaccagt	gctggcactg	ccactctctt	gggctttggc	tttagcttct	gctcccgctt	420
ggatccgggc	tttggccccag	ggtccgatat	cagcttcgtc	ccagttgcag	ggccccggcag	480
cattctccga	gccgagccca	atgccattc	gagctttaat	ctcggcccta	agccttggtt	540
tccaaggtga	gcctcagctt	gcagccttca	aaatccgctt	ccattcgccc	cttntcttcc	600
cgggggggga	ctgagctgcc	cattcccttt	ggatcccttc	ttttgtaccc	ttgcaggcaa	660
acttgaagga	ctttcatctt	tgtgtgtcct	catagtaaga	gcgcaggccc	ccagaagaac	720
tcatattcaa	ggggaattgc	tatgggggac	tctggcatag	tcccaggtag	ttctgcttca	780
caaacctcat	cagtgatgag	cttccttcac	gtcccccaag	agttgaatga	tgtatcccca	840
ggcgcagccc	caaacttggc	gcagcacctc	ccagatgaca	gcctcacttg	gaccgatttc	900
cattcattga	agatgatgct	aagaagcacc	atgagcagac	ccagcttggg	tgagtcctta	960
gtcgttccca	gtatgcctgc	atcagtgggc	tctaaggtgc	tgagaagaat	gtacaagtgg	1020
tcattcttat	caatttctct	caattgaatc	ccaaatacct	tcttccaagg	aatagcctgc	1080
tcgttcaaat	gatttcgggg	tacacatcag	tgtattcttt	gatgatgtcc	ttcagcatgt	1140
tccgagcgct	tgatgggaat	cttcgtctgg	tcttttagcca	aaaggtactt	caccaaattc	1200
atttgcctc	ccttgcaaaa	gggccacatc	cccaagntgg	tgggtgcttca	ggctcttggg	1260
atgaactgga	acttggcaac	tctaacggcg	aagccccttt	gcctacgggc	tttaaggtga	1320





caaggaagat	gagctgtcct	ttcaggaaga	agccattatt	tatgtcatca	agaagaatga	1440
cgatgggttg	tattgagggg	agtttatgaa	ttggagtgac	ttgggttttt	ttcccgggaa	1500
ttacgttgag	tctattcatg	cattattctg	agtaaagctc	agcagggctg	tgcttgccctc	1560
acaggaatag	tcaggtcttc	ccagattatc	tgaaggccct	ggggattcca	ctccagtaaa	1620
gtagaatgaa	ggatacaaat	gataaaaatt	acactttttt	tttgggttat	tcccagtat	1680
taaaaacaaa	gcaagctgag	tctgaacaaa	tggatctttc	tgccatcatt	tgtacaatgc	1740
tgagctgtct	ggattgaaat	aaaatgacca	tttttatgta	tgtcaaaggt		1790

<210> 5971  
 <211> 2533  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <221> misc\_feature  
 <222> (21)...(2243)  
 <223> similar to gi3005087 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 5971	
ggaattcccc	atcgggagcc atgagcgtgg acaaagctga gctatgcggg tctctgctca 60
cctgggtaca	gacgttccac gttccgtctc cctgtgccag ccctcaggac ctgagcagcg 120
gccttgccgt	agcctatgtg ctgaaccaga tgtgagtgga gctgaagggg aggatcccaa 180
aagtgtcccc	cagtctgtct atcccacctt ctgcgcccca gagaccctc ctgggttcaac 240
gaggcatggc	tccagggcac ctcggaagat ccagggtccca actggaagct gaaggtcagc 300
aatctgaaga	tggctcttacg gagcctagta gagtactccc aggatgtcct ggcgcaccc 360
gtgtcagaag	agcatctccc agatgtgagc ctcatgtggag agttctcaga cccggcagag 420
ctcggcaagc	tgcttcagct ggtgctgggc tgtgccatca gttgcgagaa aaagcaggac 480
cacatccaga	gaatcatgac gctggaagaa tccgttcagc atgtggtgat ggaagccatc 540
caagagctca	tgaccaaaga cactcctgac tccctgtcac cagagacgta tggcaacttt 600
gacagccagt	cccgcaggta ctatttccta agtgaggagg ctgaggaggg ggacgaatta 660
cagcagcgct	gtctggatct ggagcggcag ctgatgctcc tgtcagagga gaagcagagc 720
ctggcgcaag	agaatgcagg gctgcgggag cggatgggccc ggcctgaagg cgagggtacc 780
ccagggtctc	ctgccaagaa gctgctgctg ctgcaatccc agctggagca gttgcaggag 840
gagaacttca	ggctggagag tggcaggggag gatgagcgcc tgcgctgtgc cgagctggag 900
agggaggttg	cggagctgca gcaccggaac caggcgctga ctagcctggc ccaggaggca 960
caggccctga	aggatgagat ggatgaacta cggcagctct cggagcgtgc tgggcagctg 1020
gaggccacgc	tgaccagttg ccggcgccgc ttgggcgagc tgagggagct gcggcggcag 1080
gtgcggcagc	tggaggaacg caacgcgggc cagcccgagc gcacgcgaca actggaggat 1140
gagctacgcc	gagcgggctc cctgcgcgcc cagctggagg cgacgcggcg gcagggtgag 1200
gaactgcagg	gccagctgca ggaggaggcc atgaaggccg agaaatggct atttgaatgc 1260
cgcaacctgg	aggaaaagta tgagtcggtg acaaaggaga aggagcggct gttggcgag 1320
cgggactcct	tgcgggaggc caatgaggag ctgcgctgcg cccagctgca gccgcggggg 1380
ttgaccagag	ccgatccctc actggatccc acctccacac ccgtggataa cttagccgca 1440
gagatcctgc	ctgcggagct caggagagac ctccctgcggc ttcagctgga gaacaagcgg 1500
ctgtgcaggc	aggaggcggc cgaccgggag cggcaggagg agctgcagcg ccagctggag 1560
gatgccaacc	gcgcgcgcca cgggttggag acgcagcacc ggctgaacca gcagcagcta 1620
tccgagctgc	gggcccaggt ggaggacctg cagaaagccc tgcaggagca ggggggcaag 1680
actgaagatt	ccattttgct gaaaaggaag ctggagggaac atttgcagaa gcttcatgag 1740
gcagatctgg	agttgcagag gaagcgggag tacattgagg agctggagcc acccactgac 1800

```

agcagcacag cccggcggat cgaggagctg cagcataact tgcagaagaa ggacgcggac 1860
ttgcggggcca tggaggagcg ataccgccgc tacgtggaca aggcccgcat ggcatgcag 1920
accatggaac ccaagcagcg gccagctgcg ggggcacctc cagaactcca ttccctgagg 1980
acacagctcc gagaacggga tgtccgcatc cgacacctgg agatggactt tgagaaaagc 2040
cgaagtcagc gggagcagga agaaaaagctg ctcatcagtg cctggtataa tatgggcatg 2100
gccttgacgc agcgagctgg ggaggagcgg gcgcctgccc atgcccagtc attcctggca 2160
cagcagcggc tggcaaccaa ttctcgccgt ggacccttgg gacgcctggc atctctgaac 2220
cttcgccccca ctgacaagca ctgacagacc tcacaatcaa gccagcctgg gctccaccca 2280
ccctggcttc ctccagctca catggcgccc agcactgggc ttcagccagg tgctcgagag 2340
ctttgaggcc atgatctctg ctcttccttc tcccagattg gtggggaggg agggcgagg 2400
gtagatatag gcctgttctt tttagcaatg tgattcttgt tgttgattct ctctctggag 2460
ttcatgtgct gcctcaggag actctgattt tatatttgag aaaaataaag gcgttcaatc 2520
tgcaaaaaaa aaa 2533

```

```

<210> 5972
<211> 1610
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1332)...(297)
<223> similar to gi29715 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 5972
tttttttttt ttgaaattaa attttattta aacaggtaaa aattttataca tcctttttaa 60
aacgaaaatg caaagtcagt aagtgaatca ataataataa cctattttata gcagtaatta 120
aaatagaggt aacattttacc agtgtgaaaa tatcacagaa ttcaaatacac actcggatct 180
tcaatgattc gagtgtgtat ccgacacagc gggggctggg agactgaaga tgaattcctc 240
ccatgcatgc gccatcccca gtcaagtcct tcctcatcac cgtccaccag ctcacacagt 300
ggggtagctg gctgctgagg caattccaca atgggtttctc cgggtctttgg ccatctttac 360
gtagccaccc atgccccatt ctccacccca gctgttcttc accagcccaa tatttattgt 420
tatccggatt ctgtgctttc aaattccgta gccaaaccaa ccagcaacaa cccatgaatc 480
catggtcttc aactgcttac aggtctggct ccaaaataaa atgccttctt tataggaaca 540
ggaaggactc atggacctgc catcaaatag ccaaacagaa aatgggcccc cacagttggc 600
aactggcctt catcagggcc ctctctcctgc cttaagggat gtcccacaaa gccgggtgtca 660
ttagcaacag gataccttgg gattgtactt acaggattct tctgttgctt caatatggat 720
aggattcctc gagagtccag ggccctccatt atcctgaaca tactggaaag cataatccat 780
taggcccacc attgcagcct tccattgcct tgaggcccat gagcagtcct accagattct 840
gctcactcag tgagataagc ctccccagtt ttccggaaca tctgtccttt aagagcacca 900
gtagcactaa aagcccacaa agaaccacac tgacctgat tcttcacagg agtcacgtag 960
cctttctctc tccaatccac agatctgggg gcctcataaa acagagggtc ctggaacact 1020
ttccccttcc tgggcttacg gttttgaaag ccattcatca cctgcctgaa ttcttcactg 1080
gtcatgtctc caaaggcggt catggccatt gtgaagctgt gtttcccttc cctgtattcc 1140
tgattgtgca gttcaatcat ctctcatgtt ttctccaca ctgctctcct ccatecttct 1200
tcattcatgc cgtataatct gttgtgcac gccttccact tgggtccact tgctctaaa 1260
ctgtgatcaa atggttagagt agctgaggca attcccaggc aaaaggcagc aaggatgagt 1320
gtaggattca tgttttaaaa cctgtgtcca cccggctcgg aggctggcct gcccgctcaa 1380
ccagtcacgc gcctccgcgg ggtcctcaac tgccctcccc ggcttcccca cctcaaggcc 1440

```

```

agcagagttc ggggtagacg ctctcgttgc cagggctggt gcacacctac tcgaccgcgt 1500
cctctcttcc agtccctgtc cggccacagc tgggcctggc cggcggcgct ttctgtctgc 1560
ggtcgtagct gcgcaggcgc actccacgga tgccgctcaa ggttgcggag 1610

```

```

<210> 5973
<211> 1485
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (217)...(872)
<223> similar to gi871887 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 5973
ggccagcaac aagttagtat tgcagacatg ggccaaggag ccagaggcca tgcagtggct 60
cagggtcctg gagtcgcctg gggaggccac aggacacagg gtcacccatgg ggacagccgc 120
cctgggtccc gtctgggcag cgctcctgct ctttctcctg atgtgtgaga tccctatggg 180
ggagctcacc tttgacagag ctgtggccag cggtgccaa cgggtgctgtg actctgagga 240
ccccctggat cctgcccatt tctcctcagc ctcttctcctc ggccgcccccc acgccctgcc 300
tgagatcaga ccctacatta atatcaccat cctgaagggt gacaaagggg acccaggccc 360
aatgggcctg ccagggtaca tgggcaggga ggggtcccaa ggggagcctg gccctcaggg 420
cagcaagggt gacaaggggg agatgggcag ccccgcgcc cgtgccaga agcgcttctt 480
cgcttctca gtgggcccga agacggccct gcacagcggc gaggacttcc agacgctgct 540
cttcgaaagg gtctttgtga accttgatgg gtgctttgac atggcgaccg gccagtttgc 600
tgctcccctg cgtggcatct acttcttcag cctcaatgtg cacagctgga attacaagga 660
gacgtacgtg cacattatgc ataaccagaa agaggctgtc atcctgtacg cgcagcccag 720
cgagcgcagc atcatgcaga gccagagtgt gatgctggac ctggcctacg gggaccgcgt 780
ctgggtgcgg ctcttcaagc gccagcgcga gaacgccatc tacagcaacg acttcgacac 840
ctacatcacc ttcagcggcc acctcatcaa ggccgaggac gactgagggc ctctgggcca 900
ccctcccggc tggagagctc aggtgctggt cccgtcccct gcagggctca gtttgcactg 960
ctgtgaagca ggaaggccag ggaggtcccc ggggacctgg cattctgggg agaccctgct 1020
tctatcttgg ctgccatcat ccctcccagc ctatttctgc tctctcttct tctcttggac 1080
ctatttttaag aagcttgcta acctaaatat tctagaactt tcccagcctc gtagcccagc 1140
acttctcaaa cttggaaatg catgcgaatc acccgggggt cgtgtttaa gacagattctg 1200
actcagcagg tctgagtggg tccaggattc tgtgtttctc atatgttcct ggggtgatgct 1260
gatggggtca gtctatgaac cacactggag caaccagggt ctaggacttt ctcaatattc 1320
tagtactttc tgaacattct ggaatcctcc ccacattcta gaattctccc aactactagg 1380
gaggctgagg caggagaatc gcttgagcac aggaggcgtt ggctgcagtg agccaagatc 1440
acgccactgc actccagcct gggtaacaag agcgaaacta tcgcc 1485

```

```

<210> 5974
<211> 1910
<212> DNA
<213> Homo sapiens

```

<220>  
 <221> misc\_feature  
 <222> (86)...(1305)  
 <223> similar to gi4454263 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 5974

cgggcgcgta	gcccgcgcgc	ggagcgtacc	ctgctgcggc	cgttggccgt	tagcgcggct	60
tggcggttg	tcttgagaa	gcaagatggc	ggcgacggcg	gccgcagtgg	tggccgagga	120
ggacacggag	ctgcgggacc	tgctggtgca	gacgctggag	aacagcgggg	tcctgaaccg	180
catcaaggct	gaactccgag	cagctgtgtt	tttagcacta	gaggagcaag	aaaaagtaga	240
gaacaaaact	cctttagtta	atgagagcct	gaaaaagttt	ttaaatacca	aagacggctc	300
tttagtggt	agtcttggtg	cagaatttct	tcagtttttt	aaccttgact	ttactttggc	360
tgtttttcaa	cctgaaacta	gcacatat	taacttcttt	tctagctgca	aggtctcgaa	420
ggtcgagaga	atttagcccg	agatttaggt	ataattgaag	cagaagggtac	tgtgggtgga	480
cccttattat	tagaagtgat	caggcgctgt	caacagaaag	aaaaagggcc	aaccactggg	540
gaaggtgcac	ttgatctatc	tgatgtacat	tctccaccaa	agtcaccaga	gggaaaaaca	600
agtgcacaga	caacaccaag	taagatacca	aggtataaag	gacaaggtaa	gaagaagaca	660
agcgggcaga	aggctggtga	caagaaggcc	aatgatgagg	ccaatcagag	tgatacaagt	720
gtctccttgt	cagaacccaa	gagcaaaagc	agccttcaact	tactgtccca	tgaaacaaaa	780
attgtatctt	ttctaagcaa	cagaacttta	gatggcaaag	acaaagctgg	cctttgtcca	840
gatgaagatg	atatggaagg	agattctttc	tttgatgatc	ccatttcctaa	gccagagaaa	900
acttacgggt	tgaggaagga	acctaggaag	caagcaggaa	gtctggcctc	gctctcggt	960
gcacccccct	taaaaagtgg	actcagctcc	ctggcgggag	ccccttcttt	aaaagactct	1020
gagagtaaaa	ggggaaatac	agttttgaaa	gatctgaaat	tgatcagtga	taaaattgga	1080
tcacttggat	taggaactgg	agaagatgat	gactatgttg	atgattttaa	tagtaccagc	1140
catcgctcag	agaaaagtga	gataagtatt	ggtgaagaga	tagaagaaga	cctttctgtg	1200
gaaatagatg	acatcaatac	cagtgataag	cttgatgacc	tcacacaaga	tctgactgta	1260
tcccagctca	gtgatgttgc	ggattatctg	gaagatgttg	catagacacg	aagaagggaag	1320
tattctaatt	aacaaggaca	gaggactgac	cggttccatt	tttttttttt	tccaaacaat	1380
cactcagctg	gaagggcggc	tctctatttg	ggccttgcat	ttcaaaaacc	ctgcagattt	1440
tttttaaaag	aaattttcat	tttactaaac	aaaatacttc	ctatttgagc	ccatgggggg	1500
aaaatttaat	attcttaatt	taactgtaca	tttctttatg	gaaatggatt	atctacactc	1560
agtttcatta	caggggaagga	acccatgaaa	acatcagtgt	taagagcatg	atgaaagggtg	1620
tcaataaagc	cgtaggatcg	cgcaaccctt	tgtgtgtgtg	gctgctggta	cgtgtgatct	1680
ttgaaaacct	tggtcttagc	cctctggaat	cagagcttac	ccaccatagt	atattttgat	1740
attaggtggt	tctacacata	gttggcaaaa	tgacttggtg	aatttgtaat	gctgaagtat	1800
attagtataa	gttaaatttg	atgtgtcaac	tttattttgt	atttccttcc	atttggaagg	1860
tttgttagac	cattaagggt	atattaaagt	actcttgtgt	gtgctaaaaa		1910

<210> 5975  
 <211> 1238  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (925)...(157)  
 <223> similar to gi4894624 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 5975  
ccccctttttt ttttttttta aagttacaga tagtatTTaa ttggttactg tgatatcata 60  
gaaataccaa gaatcataaa agtaaaaaaa gctgctaagt tgtacataat gtttccggaa 120  
tactaagaag ttgctgctgg tctacagagc cctgggaggt gacggtgagg atggtcccaa 180  
gaggcgagc tagggctact ggccccggtc ctggtgcctc ttgccttttg ctttcttttt 240  
cttgttcttt ggccgaggct tcaaggcgca ataaaacagg cggaccctcc agcgatggcc 300  
ttgggcagggt cgacgcccct gctccacttg tcggcctcgc ggtcgtacac ctgcacggtc 360  
ttggagaagg cagtgttctc ccagctgtag ccgcccagga tgtagatgcg gccctccac 420  
actgccacgc ccgactcgct gttggcgtgc agcagcggcg ccacgcgggt ccactggttg 480  
cactgcgggc tgtaggcctc cacgcccagc acgtcgaagc gctccatgga ctcgatggtg 540  
tcatcgctgc ccccgatgga gtagatgctg tcacccaggc tgcacatgct gtgccagccg 600  
cgcgccgtgg tcatgggccg ccgctcctcc cacacgtctg tccggtggtc gtagcatagc 660  
aggttcttgc ggtaggggcc aatttggtag tcgtggcccc ccgagatgta cacgaagtct 720  
ttgtagatgg tgcccgctg gccgtacgtg aaccttgcca agccggccac ataggaccag 780  
gagtcagtct tgggactgta cgtctctact gaagagagcg ctccgttctc attccggccg 840  
cgatggccac cagcatgtct tcgatggagg caaggtagaa atccacacgg cgctggttca 900  
tgagggccac ctgaataaag agggcttctt caggtagggag ctctgagccc ccgaggtttc 960  
accaagatgc tctgaatccc caaaagtggg atggagacgc tctgagtccc caaaaggggg 1020  
atggagatgc tctgaacccc cgaacttgct tggatcatgtc gtcagccgcg tggatgggaa 1080  
ctctgtggtc acaggggtca gaattgctga tctagtggct ttatgaaata aaaattcatc 1140  
tttctctcc ccacatcaga tttgtaaaga aagagatgct ctgccactcc gtgttaacag 1200  
agcaggacgt ggcattgggac gcgtgggtca acccaaga 1238

<210> 5976  
<211> 1869  
<212> DNA  
<213> Homo sapiens  
  
<220>  
<221> misc\_feature  
<222> (31)...(1398)  
<223> similar to gi780310 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 5976  
gcgcggcctc ctgtctgcac cggcagcacc atgtcgctca cggtcgtcag catggcgtgc 60  
gttgggttct tcttgctgca gggggcctgg ccactcatgg gtggtcagga caaaccttc 120  
ctgtctgccc ggcccagcac tgtggtgcct cgaggaggac acgtggctct tcagtgtcac 180  
tatcgctcgtg ggtttaacaa tttcatgctg taaaaagaag acagaagcca cgttcccatc 240  
ttccacggca gaatattcca ggagagcttc atcatgggcc ctgtgacccc agcacatgca 300  
gggacctaca gatgtcgggg ttcacgccc cactccctca ctgggtggtc ggcaaccagc 360  
aaccctctgg tgatcatggt cacaggaaac cacagaaaac cttccctcct ggccaccca 420  
gggcccctgc tgaaatcagg agagacagtc atcctgcaat gttggtcaga tatcatgttt 480  
gagcacttct ttctgcacaa agaggggatc tctaaggacc cctcacgcct cgttggacag 540  
atccatgatg gggctctcaa ggccaatttc tccatcggtc ccatgatgct tgcccttgca 600

```

gggacctaca gatgctacgg ttctgttact cacaccccct atcagttgtc agctcccagt 660
gatcccctgg acatcgtggg cacaggtcca tatgagaaac cttctctctc agcccagccg 720
ggccccaagg ttcaggcagg agagagcgtg accttgtcct gtagctcccg gagctcctat 780
gacatgtacc atctatccag ggagggggga gcccatgaac gtaggctccc tgcagtgcgc 840
aaggtcaaca gaacattcca ggcagatttc cctctgggcc ctgccacca cggagggacc 900
tacagatgct tcggctcttt ccgtcactct ccctacgagt ggtcagacct gagtgacca 960
ctgcttggtt ctgtcacagg aaacccttca agtagttggc cttcacccac agaaccaagc 1020
tccaaatctg gtaacctcag acacctgcac attctgattg ggacctcagt ggtcaaaatt 1080
cctttcacca tcctcctctt ctttctcctt catcgtctgt gctccaacaa aaaaaaatgc 1140
tgctgtaatg gaccaagagc ctgcagggaa cagaagtga cagcgaggat tctgatgaac 1200
aagaccatca ggaggtgtca taccataat tggaacactg tgttttcaca cagagaaaaa 1260
tactcgccc ttctcagagg cccaagacac cccaacaga taccagcatg tacatagaac 1320
ttccaaatgc tgagcccaga tccaaagtgt tcttctgtcc acgagcacca cagtcaggcc 1380
ttgaggggat cttctaggga gacaacagcc ctgtctcaaa accgagttgc cagctcccat 1440
gtaccagcag ctggaatctg aaggcgtgag tcttcatctt agggcatcgc tcctcctcac 1500
gccacaaatc tgggtgcctt ctcttgctta caaatgtcta ggtccccact gcctgctgga 1560
aagaaaacac actcctttgc ttagcccaca gttctccatt tcacttgacc cctgcccacc 1620
tctccaacct aactggctta cttcctagtc tacttgaggc tgcaatcaca ctgagggaact 1680
cacaattcca aacatacaag aggctccctc ttgacgtggc acttaccacac gtgctgttcc 1740
accttccctc atgctgtttc acctttcttc ggactatttt ccagccttct gtcagcagtg 1800
aaacttataa aattttttgt gatttcaatg tagctgtctc ctcttcaaat aaacatgtct 1860
gccctccaa 1869

```

<210> 5977

<211> 1604

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(1605)

<223> n = a,t,c or g

<220>

<221> misc\_feature

<222> (1518)...(712)

<223> similar to gi200545 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

\* <400> 5977

```

tttttttttt tttgtgtttt tttgtttttt tttttttnt tcgtgggtatt gcaaaataaa 60
tttatttgaa gataaactgt cttataaaag gtcagaggca atttgagatc ccagattcag 120
cttgtctcat aaaaagattc aacttcaagt agcacaattt cttgtctgct tttaatcctg 180
aacattcttg aagcacgaaa cagccaactg tttacacaac acatctgtga catctgactc 240
tggcaccagt ggcgcgcgag ctttcagctc tgaggcccca cgggctgcag ccctcagctt 300
tgaggaggcc cagatcaggc cactgtgacc tctggctttg ccagcaacaa caggtcccag 360
catccagacc cttccctccc ctggcacctc ccaaaagcac aagaatgcaa accgagactg 420
gccaccact gaggcagggg tggactcccg cttgagtgtg ccaacagggc ggggtggactg 480
tcctgggtgac ttctgggtgg gcctggccaa ccaagaggcc aagtggcctc accaggcctt 540
acctggctgc ctggcagccc ggagaggaag gaggaaggac gctcacgggtg cgacagctct 600

```

ggccacgctg	gcgggagcta	cgtgatgatc	ctggcgatgg	cttgcagggg	ggggaagtcg	660
tcgtcccggg	cagcatgcag	cgcctggtgg	ctgctggcat	cgccatgcgc	gagcacctgc	720
tggcaggtgg	ggcacacacg	gcagtccagg	cccgcctgct	gggtggtggc	ctgccacgcg	780
ctcttcttgt	tcttcttgga	cttggtgctc	agaggcttct	cgcggttgca	gaagtccgtg	840
tgtgcagaca	ggagctcctg	ctgcttggcc	gtgtcgggca	gcaggaccag	cagctcatta	900
aagaccttct	ggaaattctc	ccccagcagg	tcccggcaac	tcttgtaata	ctgggctgcg	960
gagatcaggc	cctgtctgaa	ctcccctgag	tggctcttga	actcgctgaa	gcgggcctcg	1020
tcgctctgca	ggaagtccct	gatggactgg	atgagctgaa	ggttcctctc	ccggaagtgc	1080
tcggggacta	ggtagggccg	tggggcaggc	agcagcctgg	gtgcttttgt	ggtggtggtg	1140
gtggcggggc	tggggacaca	ggccgggtgg	gggctaggca	gaaggccaga	gaagccaggg	1200
ggcggttgc	tgattggggg	caccaggccc	ggcgggggtg	ggggaggcgt	gcccttcagg	1260
agcaccacag	cgctgaagcc	tggggacggc	ggcatccggg	gtgggcaggg	gccgccgagc	1320
gctgggaagt	cctcctgtgg	cgtggggcag	gggaaggacc	ccaggggcct	tgggagccca	1380
gggggttcct	tgggggcact	ccgagcaggg	gccgggccct	ccgtgtgtcc	attaacgacg	1440
acggcaactg	gcccctcggc	tctgtgtggc	ggagcttccg	gggcctgcaa	agcccctggg	1500
ggacaggtag	gcggccgggg	gctgtggcaa	tgtggtgcct	gaattatccg	agcccctctt	1560
cttcttcttc	ccaactttag	cggacgcgtg	ggtcgaccag	ggaa		1604

<210> 5978  
 <211> 650  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <221> misc\_feature  
 <222> (424)...(634)  
 <223> similar to gill196424 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 5978						
ctcgaccac	gcgtccgttc	tgaactcgct	tcttacctca	cataattcct	gccttaaaat	60
gtttaaag	aggaaaagcc	ctttgtttgg	ggctcagact	ttctggacat	atgtccagct	120
gggccagtga	tgaccttaat	agactctcct	gaaccttttt	tggctctctc	agtctttgat	180
tgtcctgtaa	cattttctggg	ggcttatccg	ggattggaga	tggcagattt	tctgtcttct	240
ttgcctgtgg	gctagagccc	caggatgtgg	gagatctggg	gtccttggca	ccgctgggag	300
agtttcagcc	tggaaaggaga	atggccctcc	cgcatccag	agccttcccc	tgacagcacc	360
aaaggaacca	gtggaaaggg	ttgcaggaca	gtcacaggag	cagtgcacag	acatctgaac	420
catgttgcag	gtatcatacc	ttgggttctt	catagccagc	tgaaccaaac	agcagccact	480
gcccaggacc	agtggaccag	tcaacaatac	ccagaccacc	caacacggct	gacccctacg	540
tgaaatcaag	ccactgctga	caagaacaac	tgaacaactg	ccctgctcca	accacaccag	600
aggctgggtc	agtccacgca	tggctgaagc	ttaaggaaac	atcgagcccc		650

<210> 5979  
 <211> 1361  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1335)...(842)  
 <223> similar to gil710229 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 5979

cagttcttaa	acatatgaca	gcatatccat	ataaaaaatga	aaaatctttc	agcttttatgc	60
ctctatcaaa	ggccaacaca	tatcttcatg	gaaacagttc	ctgtcaggca	gggaggagtg	120
agtgcctgag	gaaaagttcc	aagtagttta	taacaaaggc	acaatattag	aaagactgcc	180
atcaatcatt	cttttagattt	ctttatcaca	tttttcaaaa	ataaacaat	cgaaccatat	240
ttgtagcaac	tcaaagtgc	gcatagattt	aaatgatgta	ttgttcagc	tcactgatag	300
ggggcaaata	ctacattaat	atattttctt	cctgtcaaga	gttatttaca	tatgtacagt	360
atttcagtta	aaaatataac	accataaact	atattttata	ggaaatcata	agggaaggaa	420
atatgcaggt	ctattaaaga	cttaagagct	tctaataaac	tactttactt	ggagaggggt	480
ggggggactt	cagatcatac	agtctgccat	ggagaaaaga	acttgctggc	agacagcctg	540
atgggttcaga	ggctccagtg	cccagttagc	cacctggtct	gcaatctttc	cacagactta	600
ctgatcaggc	ttgatcagga	tggcccagcc	atccagaaaa	agcccccatac	gggttcagtc	660
ccttcggggg	acagatggaa	aaggcgta	tcactgagtg	catagtatga	aagggtccaa	720
aatctccccc	agctgggtata	atacaatcag	ttccccttca	agttatggta	agccatatgt	780
gccaaagcatg	aaataatcag	attgcaactc	atcacggaag	tagttaattc	tgtttttcta	840
gtacagcagt	gtctatgata	ttccgcccgt	ttggttctag	ggctgcaaaa	aaggaaacat	900
cttgggtccc	gtctgactgc	aatgctaaga	tgggtctctc	aatgacttca	agatgagggg	960
taccagcatt	tctaaaatac	gcctttttcca	acagcatctg	ccttagggcc	ttggctagca	1020
gaaccctcac	gttgggcaca	ggatctgatg	cgaggctcag	gaggctggga	agcaggtgct	1080
ccatgaactg	gtccacgggg	acacactcct	tgctcaccac	tgctgctcc	aagaaagtca	1140
cagccaaaga	aatgatgttt	tccgcagtct	tctagaatac	tacacttctt	taatccaaa	1200
gaagtcgttt	cagaatctgt	agggttgagg	cgtgtgtatg	aattttttaa	tctcaagcac	1260
tgatttggtt	agaaacacag	ttaatatatt	attataattc	actaccaagc	agtgggttcc	1320
aagtaggtta	agatctggtg	agcttaggag	tcagaagtct	a		1361

<210> 5980  
 <211> 1962  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (175)...(1248)  
 <223> similar to gi34019 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 5980

ccgaggctat	aagagggcgc	acaagtggcg	cggcgcagga	gccgccgcca	gtggagggcc	60
gggcgctgcg	gccgcggccg	gggcggggcg	agggccgagc	ggacgggggg	gcgcggggcc	120
cccgggaggc	cgcgccact	cccccccggg	ccggcgcggc	gggggagggc	gaggatggaa	180



09438733 "013100  
0043049846

```

acacccttct acggcgatga ggcgctgagc ggcttgggcg gcggcgccag tggcagcggc 240
ggcacgttcg cgtccccggg ccgcttggtc cccggggcgc ccccgacggc cgcgcccggc 300
agcatgatga agaaggacgc gctgacgctg agcctgagtg agcagggtggc ggcagcgctc 360
aagcctgcgc ccgcgccccg ctcctacccc cctgcgcgcc gacggcgccc ccagcgcggc 420
accccccgac ggcttgcctg cctctcccca cctggggctg ctgaagctgg cctcccccca 480
gctcgagcgc ctcatcatcc agtccaacgg gctgggtcac accacgccga cgagctcaca 540
gttcctctac cccaaggtgg cggccagcga ggagcaggag ttcgccgagg gcttcgtcaa 600
ggccctggag gatttacaca agcagaacca gctcggcgcg ggccggggccg ctgccggcgc 660
cgccgcccgc gccggggggc cctcgggcac ggccacgggc tccgcgcccc ccggcgagct 720
ggccccggcg gcggccgcgc ccgaagcgcc tgtctacgcg taacctgagc agctaccgcg 780
ggcggctgcc gggggctgcg ggggtggcgcc gcgacgagtc gccttcgctg ccgaacctgt 840
gcccttcccc ccgcccgcac ccccaggcgc gttggggccg cggcggcctg gctggcgctt 900
caaggacgaa ggccccagac ggtgcccgac gtgcccgagc ttcggcgaga gccccgccgt 960
tgtcgcccat tgaaacatga cagcccaagg cgcattccaag gcgaagcgca agcggctggc 1020
gcaacccgca aattcgcgct ccaaagcccg caagccgcaa gctgggagcg caatctcgcg 1080
cactggaaaag agaaagtga gacccctcat agagtccaga acacggcagc ctggcgctca 1140
cggcgagcct gctgcgcgag caggtggcgc agctcaagca gaaagtcctc agccacgtca 1200
acagcggtcg ccagctgctg cccagcacc aggtgcccgc gtactgagtc cgcgcgcggg 1260
gcgcatgcgc ggccaccctc cccaaggggc gggctcgcg ggggtgtcg tgggcgcccc 1320
ggacttggag aggggtgcgc cctggggacc cccccctccc cgagtgtgcc caggaaactca 1380
gagagggcgc ggcccccggg gattcccccc cgagggtgcc caggactcgg aaggggcgcc 1440
ccggactcga caagctggac cccctgctcc cgggggggcg agcgcatgac ccccccgccc 1500
tcgcgctgcc tctttccccc gcgcggccgc cccgtgttgc acaaaccg cgctctcg 1560
ctgccccttt gttacaccgc gccgcggaag tggggctccg agggggcgca gcctcaaacc 1620
ctgcctttcc ttactttta ctttttttt ttttttttct ttgggaagag agaagaacag 1680
agtgttcgat tctgcctat ttatgtttct actcgggaac aaacgttggg tgtgtgtgtg 1740
tgtgttttct tgtgttggt ttttaaagaa atgggaagaa gaaaaaaaaa ttctccgccc 1800
ctttcctcga tctcgctccc ccttcgggt ctttcgaccg gtccccctc ctttttttgt 1860
tctgttttgt tttgttttgc tacgagtcca cattcctgtt tgtaatcctt ggttcgcccg 1920
gttttctgtt ttcagtaaag tctcgttacg ccaaaaaaaaa aa 1962

```

```

<210> 5981
<211> 913
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (214)...(822)
<223> similar to gil289278 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 5981
accacgcgt gcgtctgat tagcagcaga tttattatct tttcctcatt tcatgttata 60
cttaataaaa caaacatac ctgtatacac acacattcac tcacattgaa gatgcaagat 120
gaagaaagat acatgacatt gaatgtacag tcaaagaaaa ggagttctgc ccaaacatct 180
caacttacat ttaaagatta ttcagtgcgc ttgcattggg ataaaatctt actgggaata 240
tctggaaccg tgaatgggat tctcactttg actttgatct ccttgatcct gttggtttct 300
cagggagtat tgctaaaatg caaaaagga agttgttcaa atgccactca gtatgaggac 360
actggagatc taaaagtga taatggcaca agaagaaata taagtaataa ggacctttgt 420

```

gcttcgagat	ctgcagacca	gacagtacta	tgccaatcag	aatggctcaa	ataccaaggg	480
aagtgttatt	ggttctctaa	tgagatgaaa	agctggagtg	acagttatgt	gtattgtttg	540
gaaagaaaat	ctcatctact	aatcatacat	gaccaacttg	aaatgtccct	cgtccacatt	600
ttaggctttt	atacagaaaa	acctaagaca	attaaactac	gtatggattg	ggcttaactt	660
tacctccttg	aaaaatgacat	ggacttgggt	ggatggttct	ccaatagatt	caaagatatt	720
cttcataaag	ggaccagcta	aagaaaacag	ctgtgctgcc	attaaggaaa	gcaaaaatttt	780
ctctgaaacc	tgcagcagtg	ttttcaaatg	gatttgtcag	tattagagtt	tgacaaaatt	840
cacagtgaaa	taatcaatga	tcactatttt	tggcctatta	gtttctaata	ttaatctcca	900
ggtgtaagat	ttt					913

<210> 5982  
 <211> 2452  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(2453)  
 <223> n = a,t,c or g

<220>  
 <221> misc\_feature  
 <222> (1979)...(331)  
 <223> similar to gill118097 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 5982						
aaactgagca	ctgtccccc	antgctttct	tggcaatgaa	gttccggtgc	ctggctccta	60
gaaattgggtg	aaatcagcaa	gacggaagaa	ggagtcaact	tgggccaagc	cctggttgag	120
aatggcatca	tccaccatgt	ttccgacaag	caccagttca	agaatgagca	ggtgatgtat	180
cgcttccgct	acgacgatgg	cacctacaag	gcccgaagtg	agctggagga	catcatgtcc	240
aaggggtgtga	ggctttactg	ccgtcttcac	agcctctaca	ccccggtgat	caaagaccgt	300
gattaccacc	tgaagaccta	caagtcaagt	cttcccggga	gcaagctggt	ggactggctg	360
ctggctcagg	gagactgcca	gactcgggag	gaggcagtg	cgctcggcgt	gggtctgtgc	420
aacaatggct	tcatgcacca	cgtgctggag	aagagcgagt	tcagggatga	gtcccagtac	480
ttccgctttc	atgctgacga	ggagatggag	gggaccagca	gcaagaacaa	acagcttcgc	540
aacgacttca	agctggtgga	gaacattctg	gccaagcgcc	tgctgatcct	gccccaggag	600
gaggactatg	gctttgacat	cgaggagaag	aacaaggctg	tgggtggtgaa	gtccgtccag	660
aggggctcgc	tggctgaggt	ggctggcctg	caggtgggga	ggaagatcta	ctccatcaat	720
gaggacctgg	tgttcctgcg	gccgttttca	gaggtggagt	ccatcctcaa	ccagtccttc	780
tgctcccgcc	gccctctgcg	cctcctggtg	gccacgaagg	ccaaagagat	catcaaaatc	840
cccgaccagc	cggacacact	gtgcttccag	attcgtggag	ctgccccacc	gtacgtctat	900
gctgtgggga	gaggctctga	ggccatggct	gcagggtctt	gtgctggtca	gtgcattctg	960
aaggtcaatg	gcagcaacgt	gatgaacgat	ggtgcccctg	aggtcctgga	gcacttccag	1020
gcattccgga	gtcggcgcgga	agaggccctg	ggcctgtacc	agtggatcta	ccacacccat	1080
gaggatgccc	aggaagcacg	agccagtcag	gaggcctcca	ctgaggaccc	cagtggcgag	1140
caggcccagg	aggaagccca	ggctgattca	gccttcccac	tgctgtccct	gggtccccgg	1200
ctgagcctgt	gtgaggacag	ccccatggtc	accctgactg	tggacaacgt	gcacctggaa	1260
cacggcgtgg	tgtatgagta	tgtgagcacg	gcaggcgtca	ggtgccatgt	gctggagaag	1320
atcgtggagc	cccgcggtg	tttcggcctc	accgccaaga	tcctcgaggc	ctttgctgcc	1380

```

aatgacagcg tcttcgtgga gaactgcagg cggctcatgg ccctgagcag cgccatcgtg 1440
accatgcccc actttgagtt ccgcaacatc tgtgacacca agctggatag cattggccag 1500
aggattgcct gctaccagga gtttgcagcc caactgaaga gcaggggtcag cccacccttc 1560
aaacaagccc ccctggagcc ccacccgctg tgtggcctgg acttctgccc caccaattgc 1620
cacatcaacc tcatggaagt gtcctacccc aagaccaccc cctcagtggg caggtccttc 1680
agcatccgct ttggacgcaa accctccctc atcggccttg acccgagca aggccacctg 1740
aaccatgt cgtacacca gcactgcatc accaccatgg ctgctccctc ctggaagtgc 1800
ttgcctgctg cagaggggtga tccccaaggc caggggtctcc atgatggcag cttcggggcca 1860
gccagtggga cccttgggtca ggaagaccgg ggcctcagct tcctactcaa gcaggaggac 1920
cgtgagatcc aggatgccta cctgcagctc ttcaccaagc tggatgtggc cctgaaggag 1980
atgaagcaat atgtcaccca gatcaacagg ctgctgtcca ccatcacaga gcccacctcg 2040
ggtgggtcct gcgacgcata cttggctgag gaggcctcct ccctgcccct ggtcagtga 2100
gagagcgaga tggacaggag tgaccatggg ggcataaga aggtgtgctt caaggtggcc 2160
gaggaggacc aggaggactc aggccacgac accatgagtt atcgcgactc ctacagcgag 2220
tgtaacagca atcgagactc ggtcctgtcc tacaccagcg tgagaagtaa cagctcctac 2280
ttgggcagcg acgagatggg gtctggagat gagctgccct gtgacatgcg gatcccatct 2340
gacaagcagg acaagcttca tggctgcctg gagcacctct ttaaccagggt ggactccatc 2400
aatgctctcc tcaagggggc agtcatgagc cgggctttcg aagagaccaa ag 2452

```

```

<210> 5983
<211> 544
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (44)...(463)
<223> similar to gil98609 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 5983
cccacgcgtc cgaggctcta actttctggt atgtcctcag tagcagagat gtcacagtgg 60
agaggagccc ttggaatata atgagtatga ggaagttgtc acagctcaac attgactcag 120
catgtgttag ctccactgg agggaaactc cataaatgta atgaatgtag gaaacacctc 180
atccagagag ttaactttta ttcataccaa agaactcttt gtctgtagtc agtgtggaaa 240
tgcttccagt gaccatttat cttttaaaaca acaccgtgaa ttaacactgg agagaagcca 300
tatgaatatg atctgtgtgg gaaagccttc atttaatgat ctacacttag tcataatgag 360
acaatgcaca tggagagaaa ccctataaat gtacagcatt tggaacagcc ttcaacctca 420
gccctaacct ttataggtgg tctcactcaa gtttccatct atctgaaaga tgccatcttt 480
tagataccag agagctccca cagggtctaa ccctacaccc ttcaggcaaa gctcaagcct 540
tgta 544

```

```

<210> 5984
<211> 2978
<212> DNA
<213> Homo sapiens

```

<220>  
 <221> misc\_feature  
 <222> (2933)...(558)  
 <223> similar to gi5305335 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 5984

agtcgacgat	ttcgtgccgg	cggtctatttc	tattcccagg	aaatccccgg	gccatctgtg	60
accaacaaaag	gcccagagccc	ccccaccccc	gcgagcccaa	caacaggggcc	caacggcccc	120
tggctccggg	gtgggggggat	cgggcctgga	tcggctgccg	gtgcctgcca	gtggggggtta	180
ggcttgctga	ggggcaggca	caggagtcct	ggctgagctc	atggcctgag	gctgcctagc	240
ggccacgggg	aatggttgca	atggcggagg	cagaggcagg	ggtggcagtg	gaggtccgtg	300
gactgcccc	tgcctgtccc	gacgagctgc	tactctctta	ctttgaaaac	cgccgacgct	360
ctggaggggg	acctgtgttg	agctggcaga	gactgggctg	tgggggcgtc	ctcaccttca	420
gagagcctgc	agacgccgag	agggctcttg	cccaggcaga	tcacgaacta	catggtgccc	480
agctgagcct	gcggccagct	ccaccacgag	cccctgcacg	cctgctgctc	caaggactgc	540
cccctggcac	cacgccccag	cgcttgagac	agcatgtcca	ggccttgctg	cgggcctcgg	600
ggctcccagt	acagccttgc	tgtgccttgg	ccagcccccg	gccagaccgg	gctctgggtc	660
agttgcccaa	gcccccttct	gaggcagatg	tccgtgtcct	ggaggagcag	gcccagaatc	720
tgggcctgga	ggggaccttg	gtgtcccttg	cccgggttcc	ccaggcccca	gcggtgcgtg	780
tggtagggga	tggtagcctc	gtggacctgc	tgttgctgga	gttgtagcctg	gagaatgagc	840
gccgcagtgg	tggggggccc	ctggaggacc	tgaacgcct	acccggggccc	ctgggcactg	900
ttgcctcctt	ccagcagtgg	caagtggcag	aacgagtgtt	gcagcaggag	caccggttgc	960
agggctcaga	gctgagcctt	gtccccact	acgacatcct	ggagcccag	gagctggctg	1020
agaacaccag	tggaggggac	caccgcgtcca	cccagggggcc	tagggctacc	aagcatgctc	1080
tcctgaggac	cggaggggtg	gtgacggctc	tgcaggggtg	agggactgtg	acaatgggct	1140
ctggcgagga	accagggcag	tcaggggcct	ctctgaggac	aggtcccatg	gtgcagggta	1200
gagggattat	gacaacaggc	tctggccagg	aaccagggca	gtcaggggacc	tctctgagga	1260
caggtcccat	ggggtctctg	ggacaggcag	agcaagtcag	ctcgatgccc	atgggggtctc	1320
tggaacatga	ggggctggta	agcctgaggc	ctgtgggggt	gcaggaacag	gagggggccca	1380
tgagcctggg	gcctgtgggg	tctgcaggcc	cagtggagac	ctctaagggg	ttgctggggc	1440
aggagggcct	ggtggaaatt	gccatggact	caccagagca	agaggggctg	gtgggtccca	1500
tggagatcac	catggggctc	ctggagaagg	cagggcctgt	gagccaggga	tgtgtgaagc	1560
tggcagggca	ggagggcctg	gtggagatgg	tgctattgat	ggagccaggg	gcgatgcgct	1620
tcctgcagct	ctaccatgag	gaccttcttg	cgggcctggg	agacgtcgct	ctcttgccac	1680
ttgaaggacc	ggatatgact	ggctttcggc	tctgtggagc	ccaggcttcc	tgccaggcgg	1740
ctgaggagtt	tctgcggagc	ctgctgggca	gcattagctg	ccatgtgttg	tgcctggagc	1800
acccgggcag	cgccaggttt	ctcctggggc	cagaagggca	gcaccttctc	caggggctgg	1860
aggctcagtt	ccagtgtgtc	tttgggacag	agcgcctggc	cacagccacg	ttggacacag	1920
gccttgaaga	ggtggaccct	accgaggccc	tcccagtgtc	ccctggcaac	gcccacaccc	1980
tgtggacccc	agacagtaca	ggtggtgacc	aggaggacgt	gagcctggag	gaggtccgag	2040
aaactgctggc	caccctggag	ggcctagacc	tagacgggga	ggactggctg	cctcgggagc	2100
tggaggagga	agggcctcag	gagcagccag	aggaggaggt	gacccaggga	catgaggagg	2160
aggagcctgt	ggccccagc	actgtggcac	ccagggtggc	ggaggaggag	gccgctctgc	2220
agctggccct	ccaccgggtc	ctggagcctc	aagggtcagg	ggctgagcag	gaggaggctg	2280
ctgccctgcg	gcaagcccta	acctctctcc	tgtgtggagc	gccccggttg	gaggcagaag	2340
agcccccaga	tggggggact	gatggcaagg	cccagctggg	ggtgcactcg	gcctttgagc	2400
aggatgtgga	ggagctggac	cgggcgctca	gggtgcctt	ggagggtccac	gtccaggagg	2460
agacgggtggg	gccctggcgc	cgcacactgc	ctgcagagct	gcgtgctcgc	ctggagcggg	2520
gccatggtgt	gagtgttgcc	ctgcgtgggtg	actgcaccat	cctccgtggc	ttcggggccc	2580
accctgcccg	tgtgcccgc	cacttggtgg	cacttctggc	tggccctggg	gatcagagtt	2640
tggcctttcc	cttggcagct	tcaggcccta	ccttgggcgg	gcagacgctg	aaggggcctt	2700
ggaacaacct	ggagcgtctg	gcagagaaca	ccggggagtt	ccaggaggtg	gtgcgggcct	2760

tctacgacac	cctggacgct	gcccgcagca	gcacccgcgt	cgttcgtgtg	gagcgcgtgt	2820
cgcacccgct	gctgcagcag	cagtatgagc	tgtaccggga	gcgcctgctg	cagcgatgcg	2880
agcggcgccc	ggtggagcag	gtgctgtacc	acggcacgac	ggcaccggca	gtgcctgaca	2940
tctgcgcca	cggcttcaac	cgcagcttct	gcggccgc			2978

<210> 5985

<211> 609

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (224)...(211)

<223> similar to gi2323284 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 5985

tgaccgttac	ctgtaccgga	catgcccgga	gtcgcagcatt	tcgtcagtta	aaacagataa	60
attcacccac	agaaaacaat	tagggctcta	cgtggcacia	ctgtagttca	caaaagcaac	120
ctcctgaaat	ctgtccttaa	tgtaaacagc	catcccactg	caaaaaaagt	tgccataaac	180
ttaagctatc	taaatggact	tcttcattta	tctctttggc	ttctccttta	aaatgaaggg	240
gttctgagga	cacattgggg	tttttcccag	tcctttcttt	taatcacctc	acagaaaact	300
ttctccaaat	tggcagtga	gttctgacta	ttctttaga	cacaggagca	accatattgg	360
tcctcagccc	caccagtctc	aaccagccac	ggtgttgga	taataaaaaat	attcaaatag	420
tgggagtttc	taataaacca	ttgacaacct	ttctgtccca	gcccattact	ttttgccttg	480
gacgtttaca	ggatattcat	ccctttttat	tgggtgaaatc	tgcttcagct	catttattgg	540
gacaagactt	aaaacaaaaa	ataaaatcat	gatgacatct	ctttctcctt	aaaaggggaga	600
cataatttt						609

<210> 5986

<211> 3068

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (2804)...(466)

<223> similar to gil89400 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 5986

tttttttttt	ttgatgggtc	aacaagtgtt	tattgagcag	ccacatctgc	caggtcttgg	60
gatagccagt	ccctgtgctc	atgggcttag	atcctggcag	aggcctagt	gagaggcttg	120

gggtgggggt	cggggcatgg	aaggctgtgc	tattggccag	ggactcagaa	tacaggagag	180
tgcaagggtg	acagaagttt	ctttcttggg	caaagaggcc	tggaaatggt	ggcttgaatc	240
tcaaccattc	cttagccttc	ccctctcaag	ccagagaaa	acccagggtc	cccctgccca	300
gaaggtccat	gcatagacat	tcatcccggt	gattcattcc	ttaaccaaga	aataaagagt	360
tgactcctt	gcaggggctg	gtaaaaagcaa	tgggctggag	gaggcagctc	aggggcccgg	420
gaaggggtgt	tggctgcaag	gttacaagag	aaggggtagc	actctcagag	gcctgcttga	480
cgggcgcctg	ggacttggct	gatggggggc	ctttctgggg	cacagggtgg	tgggaatgta	540
attggagagg	cttccagagg	cacttggact	tgagaggcct	ccatggagcc	tctgacagag	600
tccccagggg	ggacaacatg	ctccaagagt	ctgggctctg	ccttccccctg	ccccaccac	660
ggaagacatg	tcaagctggg	aagccatgga	ggagaagggg	agggcaaaaa	agttgttgag	720
ccactgggat	aaatgggagg	agccccggag	ggagcggctg	cgggatcgca	cagccccctc	780
tatccgggtg	ggtgggctga	tgcccccttg	ccactgggat	aaatgggagg	agccccggag	840
ggagcggctg	cgggatcgca	cagccccctg	tatccgggtg	ggtgggctga	tgcccccttg	900
cagctgggca	ggatgttctt	gggcattggc	aggatgggtg	aggggccctg	tgatggcagg	960
agtgtggct	tggaccacat	ggggagacca	agtccgaata	ggggcccgat	gcaattgagg	1020
gtgcaagcgg	agggcatggc	gaaggcggat	ggctctctgt	gctctgtaca	acaggtagcg	1080
gatccacagg	tggacggcag	ggcgctcctg	gtgatcagga	ggctcgctgt	gaggctcagc	1140
atcgggggtg	gcagcctgct	cagcgggctg	gtggggaggc	caagctgggg	ggtggtatgt	1200
gccacagggc	aggctggagg	ctccttgtgc	tctcagcaga	gactggactg	gcgaggagtg	1260
ggctggcgag	gagtgggctg	gcgaggagtg	ggctggcgag	gactgtggct	cggcggctct	1320
catgggctcc	atgcacgagt	tttcggcatc	tgagtcttcc	gagctgctga	tcaccacaac	1380
gcgttcctct	ccctacctgc	ctccccggcg	ccactggcca	cgtgggttgc	gttgggcagg	1440
aagacctcac	ttcctatgac	ggggctcctg	gggctaggcg	gtccatccag	gtggggtggt	1500
gagactgcct	tggagggtgct	gggcctgggc	tgctccgggg	agctccgagc	caaccttgcc	1560
tccttcccct	cctcagactc	catcttgatg	accttcctgg	ggcactgggt	ctggctgcac	1620
ttcctcttct	gggctgtcgt	tgtattggag	acatcctctc	cataggaagg	gcctttgatg	1680
gagaaggcgt	acactggcac	ggggtgtgcc	ccgggcactg	actgtaccac	agccataggc	1740
tgggcttcag	cccaccccag	ggcctgaacc	tgggccttca	ctctctctgc	ctcctcgggc	1800
aggtcaacgt	caatagggtc	cctgggagtg	ctggcagcct	ctgggctggc	tttcttggtg	1860
acagctgcat	ctttcccctg	ggtgatgcaa	gagctgaggt	cctgcaggcg	caccttgaac	1920
tcgtcgaagc	catcggtgcg	cacggcagct	tgcaaggctct	ggggctcctc	ctggcgcagg	1980
cggcagagcg	cctggcgagc	gaaaccgtgc	atgtccagca	cctcctgggt	cgaggcgtag	2040
cacttcatcc	tctgcaccag	cgcgctgccc	gtgcggatgc	gctgcagcac	agcatccagg	2100
cggcccagcc	gactggccat	ctcctcgtag	tcgcgctggg	accgcgcgtc	cacagcctcc	2160
agcagctcgc	gctcctgagc	ccgcacgtga	gctaccacct	ggggcacgcg	ctcgcggtat	2220
agctcctcgg	tctcggcacg	cgcgcggccc	agctggccga	cggccgcgtg	catctgtgtg	2280
tgaaccgcgc	caaaggcact	atcctgctcc	tcgacgcctc	gcgtcatggc	gtccagctcc	2340
tcctgtcgct	gctggatctc	tgcgctgatg	tcgcacttga	gctcactgtg	gctgctgtca	2400
aggagcgcgc	acgagcagca	cagcggcttg	gaacatcctc	ggcagtagat	gctggtcagc	2460
gtaggggtgc	ggtgggttggg	gttggagcag	aagatgttgt	tggctcttgcg	ggtgccgtcc	2520
aggaactcac	gcaccgactg	gttgcgcagc	tctgctaggg	gccgggcctc	gtgcttgagg	2580
aacctagtgt	gtgcctcgaa	gcacttggcg	cagaggagct	gctcgcactc	aaagcaccag	2640
gaagtccggc	gactctttgc	agcgggtgca	cacagcctgc	gcatccacaa	tctgccggta	2700
caccgacagg	cgcgcgtgca	gactctcgaa	aaagacgtta	tccagggcgg	gtgtgtctgc	2760
acctaggggc	cagggcgctc	ggcagatggg	gcactgcatg	cccgcgcctc	ccaggcatcc	2820
tgagcagcag	gtgtgcagac	aaggcagcag	cttcgggcac	ttggcttccg	cctggcattg	2880
ctggcagcgc	agaaaactgga	actcctcctc	cgaagcgggg	gctcgctctg	tagggctggg	2940
gctggggctg	ggctggcggc	cttcagaggg	ggtctcgggg	ggaggcatgg	tgggctcctg	3000
gggcccggcg	gggtcctgct	ggggcctcgg	agatcgggcg	ggtgcaggct	ccatggaccc	3060
cagcttag						3068

<210> 5987

<211> 3043

<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(3044)  
<223> n = a,t,c or g

<220>  
<221> misc\_feature  
<222> (3013)...(1673)  
<223> similar to gi2765425 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 5987

caggtgcagc	tgctcgagtc	tgggggagggc	gggggccagc	ctgggaggtc	cctgagactc	60
tctgtgcag	cgtctggatt	taacttcagg	acctatggca	tgcactgggt	ccgccaggct	120
ccaggcaagg	gactggagtg	ggtgacattt	atatggtctg	atgggagtat	caaatactat	180
aaagactccg	tgaagggccg	gttcaccgtc	tccagagacg	attcccggaa	cacattatat	240
ctgcaaatga	acagcctgag	agccgaggac	acggccgtat	attactgtgc	gaaaacagcg	300
gacngtgact	acgtgcggga	ctactattat	tactacatgg	atgtctgggg	caaagggacc	360
acggtcaccc	tctcctcagc	ctccaccaag	ggcccatcgg	tcttccccct	ggcacccctcc	420
tccaagagca	cctctggggg	cacagcggcc	ctgggctgcc	tgggtcaagga	ctacttcccc	480
gaaccgggtga	cgggtgtcgtg	gaactcaggc	gccctgacca	gcggcgtgca	caccttcccg	540
gctgtcctac	agtcctcagg	actctactcc	ctcagcagcg	tgggtgaccgt	gccctccagc	600
agcttgggga	ccagaccta	catctgcaac	gtgaatcaca	agcccagcaa	caccaaggtg	660
gacaagagag	ttgagcccaa	atcttgtgac	aaaactcaca	catgcccacc	gtgcccagca	720
cctgaactcc	tgggggggacc	gtcagtcctc	ctcttcccc	caaaacccaa	ggacaccctc	780
atgatctccc	ggacccctga	ggtcacatgc	gtggtggtgg	acgtgagcca	cgaagaccct	840
gaggtcaagt	tcaactggta	cgtggacggc	gtggaggtgc	ataatgcca	gacaaagccg	900
cgggaggagc	agtacaacag	cacgtaccgt	gtggtcagcg	tctcaccgt	cctgcaccag	960
gactggctga	atggcaagga	gtacaagtgc	aaggctcca	acaaagccct	cccagccccc	1020
atcgagaaaa	ccatctccaa	agccaaaggg	cagccccgag	aaccacaggt	gtacaccctg	1080
cccccatccc	gggatgagct	gaccaagaac	caggtcagcc	tgacctgcct	ggtcaaaggc	1140
ttctatccca	gcgacatcgc	cgtggagtg	gagagcaatg	ggcagccgga	gaacaactac	1200
aagaccacgc	ctcccggtgt	ggactccgac	ggctccttct	tctctacag	caagctcacc	1260
gtggacaaga	gcaggtggca	gcaggggaac	gtcttctcat	gctccgtgat	gcatgaggct	1320
ctgcacaacc	actacacgca	gaagagcctc	tccctgtctc	cgggtaaatg	agtgcgacgg	1380
ccggcaagcc	cccgtcctcc	gggtctctgc	ggtcgcacga	ggatgcttgg	cacgtacccc	1440
ctgtacatac	ttcccggggc	cccagcatgg	aaataaagca	cccagcgctg	ccctgggaag	1500
tatgtagacg	gggtacgtgc	caagcatcct	cgtgcgaccg	cgagagcccg	gggagcgggg	1560
gcttgccggc	cgtcgcactc	atttaccggg	ggacagggag	aggtcttct	gcgtgtagtg	1620
gttgtgcaga	gcctcatgca	tcacggagca	tgagaagacg	ttcccctgct	gccacctgct	1680
cttgtccacg	gtgagcttgc	tatagaggaa	gaaggagccg	tcggagtcca	gcacgggagg	1740
cgtggtcttg	tagttgttct	ccggctgccc	attgctctcc	cactccacgg	cgatgtcgt	1800
gggatagaag	cctttgacca	ggcaggtcag	gctgacctgg	ttcttggtca	tctcctcccg	1860
ggatgggggc	aggggtgtaca	cctgtggttc	tgggggctgc	cctttggctt	tggagatggt	1920
tttctcgatg	ggggctggga	gggctttgtt	ggagaccttg	cacttgctact	ccttgccatt	1980
cagccagttc	tgggtgcagga	cgggtgaggac	gctgaccaca	cgggtacgtgc	tgttgctactg	2040
ctcctcccg	ggctttgtct	tggcattatg	cacctccacg	ccgtccacgt	accagttgaa	2100
cttgacctca	gggtcttcgt	ggctcacgtc	caccaccacg	catgtgacct	caggggtccg	2160
ggagatcatg	aggggtgtcct	tgggttttgg	ggggaagagg	aagactgacg	gtccccccag	2220
gagttcaggt	gctggggcag	gtgggcatgt	gtgagttttg	tcacaagatt	tgggctcaac	2280
tttcttgtcc	accttggtgt	tgctgggctt	gtgattcacg	ttgcagatgt	aggtctgggt	2340





gtaaaggcct	tcgacaggag	gtcatctgtc	cttgtgccag	ctcgccagag	gccctcactg	1560
tggccatccg	gaggcccacg	gatgacagta	accagccccc	gggcccgggt	gtcctctcca	1620
tgcattggact	gacctatggg	gtcatttcgtg	tggactcggg	agagaagctg	tccgtgctca	1680
ccgtgcagga	tgtcggcctc	gtgatgcctg	gagccatcat	gtgttcagtg	aagccagacg	1740
gggttcctca	gctgtgcaga	acggatgaga	tcggggagct	gtgtgtgtgt	gcagttgcta	1800
cgggcacgtc	ctactatggc	ctctctggca	tgaccaagaa	cacccttgag	gtgtttgcc	1860
tgaccagctc	cggggctccg	atcagtgaat	acccattcat	aaggacaggc	ttgctggggg	1920
tcgtgggtcc	cggaggcctc	gtcttcgtgg	tgggcaagat	ggatggcctc	atggtgggtca	1980
gcgggcgcag	gcacaacgcc	gacgacatcg	tggccactgc	gctggccgta	gaacccatga	2040
agtttgtcta	ccggggaagg	atagccgtgt	tctcgttgac	cgtgctgcac	gacgagagga	2100
tcgtgatcgt	ggctgagcag	aggcctgact	ccacggaaga	ggacagtttc	cagtggatga	2160
gccgtgtgct	gcaggcgatt	gacagtatac	atcaagttgg	agtttattgc	ctggccttgg	2220
tgccagcaaa	caccctcccc	aaaacccccg	ttggtgggat	ccatttatca	gaaacaaaac	2280
agctttttct	ggagggctct	ctgcacccct	gcaatgtcct	aatgtgcccc	cacacctgcg	2340
tcacaaaact	gcctaagcct	cgacagaagc	agccagaaat	cggccctgcc	tctgtgatgg	2400
tggggaacct	ggtctctggg	aagagaatcg	cccaggccag	tggcagagac	ctgggtcaga	2460
tcgaagataa	cgaccaggca	cgcaagttcc	tgctcctctc	agaggtcttg	cagtggagag	2520
cacagaccac	cccggaccac	atcctctaca	cgctgctcaa	ctgtcggggg	gcgatagcga	2580
actcgctgac	ctgctgtcag	ctgcacaaga	gagctgagaa	gatcgccgtg	atgctgatgg	2640
agagggggcca	ccttcaggac	ggcgaccacg	tggccttggg	ctacccccca	ggaatagacc	2700
tgatagcagc	gttttatggg	tgctgtacg	caggctgtgt	gccataaacc	gtccgtcccc	2760
cgcacccaca	gaacatcgcg	acgacgttgc	ctaccgtcaa	gatgattgtg	gaggtgagtc	2820
gctctgcctg	tctgatgacg	acacagctga	tctgtaagtt	gctgcgggtc	agggaggcgg	2880
cggcggtctg	ggacgtcagg	acgtggcccc	tcatcctgga	cacagatgat	tagccaaaga	2940
agcggcctgc	ccagatctgc	aaaccttgca	accagacac	tcttgcatat	ctcgacttca	3000
gcgtgtccac	aactgggatg	ctagctggcg	taaagatgtc	tcacgcagcc	accagtgcct	3060
tctgccgttc	cattaagctg	cagtgtgaac	tttacccttc	tagagaagtg	gccatctgcc	3120
tggaccctta	ctgtggactg	ggatttgtcc	tctggtgcct	ctgcagtgtg	tattctgggc	3180
accagtccat	cctgatcccg	cctctgagc	tggaaaccaa	ccccgccttg	tggcttcttg	3240
ccgtgagtc	gtacaaagtc	cgagacacgt	tttgctccta	ctccgtgatg	gagctgtgca	3300
ccaaggggct	gggctcgcaa	acagagctcc	tcaaggcgcg	agggctggac	ttgtcccag	3360
tgaggacctg	cgtgggtgtg	gcgggaagaga	ggcctcggat	cgcgctcaca	cagtcgttct	3420
caaagctggt	taaggacctg	ggccttcacc	cgcgggccgt	cagcacctcg	ttcggttgca	3480
gggtgaacct	ggcgatttgc	ttgcagggaa	cctcaggacc	tgacccaacc	actgtctacg	3540
tggacatgag	agccctgaga	cacgacagag	tccgcttagt	ggaaagagga	tcccctcata	3600
gtctgcccct	gatggaatcg	ggaaagatac	ttccaggggg	tccgattata	attgccaaacc	3660
cagaaacaaa	aggaccgctg	ggggactcac	accttgagga	gatttgggtt	cacagtgcct	3720
acaatgccag	cggttatttc	actatttacg	gagacgaatc	cctccagtca	gatcacttca	3780
actcaagact	aagttttgga	gacacccaga	ccatctgggc	acgcacaggc	tacttggggg	3840
tcttcgagg	aactgagctc	acagatgcaa	atggagagcg	ccatgatgcc	ctctacgtgg	3900
taggggcact	ggacgaagcc	atggagctgc	ggggcatgcg	gtaccaccca	atcgacattg	3960
agacctcggt	catcagagcc	cataaaagcg	ttacggaatg	tgctgtgttt	acctggacaa	4020
atttgttggt	ggttgtggtt	gagctggatg	ggtcggaaca	agaagccttg	gacctgggtc	4080
ccttggtgac	caacgtggtc	ctggaggagc	actacctgat	cgtcggagtg	gtggtcgtgg	4140
tggacatcgg	cgtcatcccc	atcaactccc	gtggggagaa	gcagcgcatg	cacctgcgag	4200
acgggttttt	ggcagaccag	ctagacccca	tctatgtggc	ctacaacatg	tagtctcgtc	4260
tcttggcctc	catggacttt	tctagagatg	tagacattgt	tctccgtgtc	cactgaagcg	4320
tgacagaca	gggaacact	caccagaata	cagccatttg	tggtgagagt	ggaggaggaa	4380
gaggaggagg	aaggaggact	ctcacagcag	ccacgattgg	catgggggtg	aaatgtgaat	4440
ttaccactga	atttcgctca	gaaggacttt	ggattactgc	cttcagtttg	ttggaaaagc	4500
ccatttcaaa	aactttcttt	tcttttcttt	cttttttaat	tattggataa	taagtgtctt	4560
cttcgtaaat	gtggtatttt	gttaagccga	aatagcaatt	aaaaaaatat	cctgccctcc	4620
agatgggttc	ttttaaacaa	tttatgtagt	gtgacaaaga	attgttttct	ctgttttaat	4680
gtgtcatgaa	atcttaatga	catggatctg	ttactaattt	aagccattgc	tagatctcat	4740
ccttttagga	aagtttgagg	tacgagaaaa	ccttccaaat	agcaccttcc	aattagataa	4800
tagcagcttt	ctttgtcaga	aatgtgctga	agaaacaaag	gctggtatac	ggccttcgaa	4860
gttagtatag	aaggagaaga	aattataaat	aaggtgtatt	tcggcaatta	tcttgcaaat	4920

```

atctttgtac taaactaaaa agataaaaata agttaacttc ctcaatatgt aattatgtac 4980
aaaacgttta atttattttg atctcttttag aactataaaa gagaaaaaca ttcaagaata 5040
ttaaagtctt gtaatgtttg ctaatatataa aaagtgttgt attatcttgc gtggatagta 5100
tcacaacaaa tatatatata tgaatatataa attcactaat gaacaaagga gatttttaaag 5160
tttaagatgc agaacttgtc acttgcatgg tgtgcccccc gtactcacat acactctgct 5220
gttgccagca gtcgcagacc gcaggagccc tgtctaaaag tttcttctag aaccagagac 5280
cagcaagtga aattattgcc atctcaagga tggcaaaaaga attcaaagct caatgtgcac 5340
tatttttttc tttgctgtgg gacaacagtg aatgtgttta tgccagcgtg tgctgatgat 5400
actgaggggc tttaggttgg caaatagcac tgttttctta gctgcaagaa ttcatgacac 5460
aatgtttttc atcatttttg ttaatgtcat ctttttttgg tccttgctac gaaaaggaat 5520
gcgattctgt ggtcattcgc actgggttgc attgattccc cctctgatgg ccaatgtgga 5580
gtggacaaaag tgtccggaac tcacatcggg gatcgctccc tcgtcttaag acccagcccg 5640
ctctgtgtga gcctctgggg ctccctcgct cagtgcgcag agttccccgg gggttcatgc 5700
cagagctccg gctgaagcaa gaagtcctcc agctgcgtcg tttgccgcct gtggacgagt 5760
gcgccccagt ttctgccctg gcagctcctg gccacacctt ctgagagctc acctgtgcac 5820
ttctaaattg aattggccca cgggtgtccaa ccaagaagga gcatctgcac tccgagaaaag 5880
atgtgttctg taactgcccc agtgtgaccc cgcagtggct ctcggtgcta gatatgcatg 5940
actaagattg atgctgggca aaatgtagat gatctttcat tatgttgtgg gcagcgtctt 6000
tctctgcctt tgctatatgc agtcagcagt aagccttttg ctaaaaagagt tttgtttgac 6060
ttctgagatc caaggctgat tgttggttaa aaaaaaa 6097

```

```

<210> 5989
<211> 1708
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1420)...(1479)
<223> similar to gi35570 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 5989
cacccttttt atccagggtca ttgggttagc tgacagggag ccaagattga aatctaagat 60
ctttgccctg caggattcag ggctaattga catcctgaga tgggaggaag gagctttcat 120
tacagccttg tgggtcttga ctacaccagtc cctgcaggag ccagtggagt tcctgccatg 180
gtgtccctga ggaggtgtag cttctcacct accctgccgc caagcccctc agtctgggtc 240
ttcttttccc atgcagcctc cagcccaggc tgcatactat ggctgtggcc cagtgcacac 300
caccagcct gcccccagggt ggacatccca gccacctaga ctttctctgt agtgacccag 360
ccccttccac tctcagactg gcctattggg tggggccccg tgaggcagtc ataacacagg 420
gatgaaacct ggctctgcca cttcccaagg tgggtgacct cacttctctg agcctcagtt 480
tcctcttctg agcatgggccc tgaatgagac gtgtgtaaag taccaagcac agtgggtgagc 540
caatggaaga cagcgagcta gccaccagca gtcatcacca aagatgcctc tgatttgtga 600
ctctgaaaat tcttgcaaag ctgagaagggt gaaattcctc tggctatatt gttgacaaa 660
ggccctcctc tgtaagagtg aattgcacgc tcaattgaaa ctatcttgag ggactaagggt 720
gtacaatcct ggtgcttatg cagtttgggg ctctaggttag acacgagctg gctttgaaat 780
tgtagattcc tacactcccc ctttctggag ttctgggtct aagtgaattg actcctatct 840
ctgttgtgaa tgttgtagtt tcccttccca ttctcttggg ggccctggaa gcttctaggg 900
acagtgtgcc accctgatta ttcccaccac tccatccaac ttttctctct ctgtgggtgc 960
tgcaccacaa gctgcctacc ctccagggtgc ctcaatgggtc cggccaccag ttgtgcctcg 1020

```

```

gcgccccccg gccacatca gcagtgtcag gcaggcctcc acccaggtgc cagcacggt 1080
gcctcatacc cagagagtag ccaacattgg tactcagacc acaggacca gtggggtagg 1140
atgctgtaca ccaggccggc cgctcctgcc gtgcaaagt tctcagcag cacatagcac 1200
ctatcgggtc caggagccgg ctgtgcacat ccaggacag gagccctga ccgcgtccat 1260
gctggctgcg gcgcccctgc atgagcaaaa gcagatgatt ggggagcgtc tctaccccct 1320
tatccatgat gtccacaccc agctggctgg caagatcacg ggcatgctgc tggagattga 1380
caactcggag ctgttgctca tgcaggagtc tccagaatcc ctccatgcca agatagacga 1440
ggcagtggcc gtgctgcagg cacaccaggc tatggagcag ccgaaggcgt acatgcactg 1500
aaaccagaaa aggaaatcct cgcttccatg gctgccaaaa ggacagtgtt tctggctctc 1560
agccctaagg ccctgcaaac tctaacttat ttcccaatta gtctgtatct atacttgggc 1620
tctgtatgtg aatgaaggtt ggtcacccat ccagcctatt accttttgct ttgtgtatta 1680
aaagtgtgcg aaaatctgaa aaaaaaaa 1708

```

```

<210> 5990
<211> 740
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (289)...(508)
<223> similar to gi3025832 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 5990
cctcaaagct ggtagctgcc ccatacttgg gggcagaacc cgcgtggccc gagcgggggg 60
cggggctcgg cccatctccg gcccttccgg ctccatctag tcccctccga ctggcaaaga 120
gaagggattc ctcggcgcgg ggcgcagctt aagagcgcag cgcagcaggc tccattcccg 180
gccgcgcggc ctacgcccac tacgcaaacc tggcgggtcc aaccaacccc gctctgccgc 240
cgctgttgga acccaggagg cgtgcttgca ggcttcgggc actacgcggg gctggaaata 300
ccacgcactg ccccttccgg tagacccccg ctcgggccac gcgggttctg ccctcaaagc 360
tggtagctgc ccagacttg ggggtggggg gaggggaagg ggcgaggctg gcgccccctc 420
ccgcttttgg ctccgcggtt cgttgcagca gctgtcgcca aatgaaaccc cagaatgggg 480
acgtgcaaac cctccacccc cccccccagc cacacacgtc gcggtcggag aactgagaag 540
ggggcgctgg gtccgaggtt ctggaaaagc aagaactcac ctgcaaacag gcagtccttc 600
tcagctctgg acttctggat cagcagctcg atatccttct gaattcgctc ttgccttgaa 660
cacatcccca ttaaataaat ccttgaaaaa gaagcagccg ctatttccac cccaccccc 720
tcgcacgcgc aaaaaaaaaa 740

```

```

<210> 5991
<211> 1408
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature

```

<222> (742)...(50)  
 <223> similar to gi5901836 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 5991

tcgattacgc	caagcttggc	acgagggggc	taatgaagcc	tagaccccag	ctggattgga	60
agcaaaggcc	tttccttcac	tgggaaaggt	gctgctgcta	cccatctcat	tattctaaga	120
gtgattgaga	atagaggggc	tgaagggaaa	cgaaagtagg	agaatgttgg	ccagagctag	180
tagagaaaga	acgtaatat	gagaaagcag	acatcagtg	taggtgaggt	gctttcttta	240
aagagctgtg	tgtatagact	ggggagaggt	ctgtctgggg	acaggaatgc	tgattccttt	300
ttttccctgg	gcagaatcct	aatgtacctg	gctagctggt	ggtgagtagg	ggctttgggg	360
ccaacttggg	gggctcccca	aggaaacccc	tttgaaacca	atggatgcat	tcacgggctc	420
gggtctcaag	aggaagtttg	atgatgtgga	tgtgggctca	tcagtttcca	actcagatga	480
tgagatctcc	agcagtata	gtgctgacag	ctgcgacagc	ctcaatcctc	ctaccactgc	540
cagcttcaca	cccacatcca	tctgaagcg	gcagaagcag	ctgcggagga	agaatgtacg	600
ctttgaccag	gtgactgtat	actactttgc	ccggcgccaa	ggttttacca	gtgtgcccag	660
ccaggggtgg	agctctctgg	gcatggccca	gcgccataac	tctgtacgga	gctatacact	720
ctgtgagttt	gcccaggaac	aggaggtgaa	ccatcgagag	attctgcgtg	agcacctgaa	780
ggaagagaaa	ctccatgcc	agaaaatgaa	gctgaccaag	aatgggacag	tggagtcggt	840
ggaggctgat	ggcctgacgc	tggatgatgt	gtcagatgaa	gatattgatg	tggaaaatgt	900
ggagggtgat	gattacttct	tctgcagacc	tctgcccacc	aaacggcgac	gggcccctgct	960
gagggcttct	ggggtccacc	gtattgatgc	tgaagagaag	caagaacttc	gagccatccg	1020
cctgtcacgg	gaagaatgtg	gttgtgactg	ccgactgtat	tgtgacccag	aagcgtgtgc	1080
ctgcagccag	gctgggatta	aatgccaggt	ggatcgcatg	tcctttccat	gtggctgctc	1140
ccgggatggc	tgtgggaaca	tggcaggacg	cattgaattt	aatccaatcc	gggtccggac	1200
tcattacctc	cacaccatta	tgaagctgga	gctggagagc	aagcggcagg	tgagccgccc	1260
agcagcccca	gatgaggagc	cctccccgac	tgccagttgc	agcctgacag	gagcacaggg	1320
ctctgagacc	caggacttcc	aggagttcat	tgctgagaat	gagacagcag	tgatgcacct	1380
gcagagtgca	gaggaactgg	agcgggctc				1408

<210> 5992

<211> 1818

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (748)...(1361)

<223> similar to gi498731 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 5992

gtggaatcgg	ctgtggggca	cctggaatcg	agggggccagg	agtgattggc	tgagccatta	60
aatcatagtc	atttccagat	gacctgcag	caacatagga	ataagagctt	caagcagttc	120
ccatcctgtt	agtctgcgtg	tgtggtagct	gaactcaaga	tgatgtgggg	ctaagaaaaa	180
taattgtcca	tgtgcaaaga	tgtgggcaag	aatggcctct	gcagattttc	ctgaacttct	240
gctaacttgc	acggctttat	cacagcattt	ttaaagcttt	ccctcaaaaa	tcctgatctg	300

catgatctca	gctactttat	tgacaaaaag	gcagtgaaca	taacctcact	taattctggt	360
gtaggggtgta	tgtgctaatac	gttctaattc	ttgattacct	agtttataga	taactgctgg	420
tcttaattgc	agagtacaga	gaactgaacc	agctcctgat	attgtagtta	gcagtcttcc	480
tggcttctca	ctctgcctta	tatttccatg	tgggtttact	tctctcataa	ctactttcaa	540
ggtatttttc	ttccaagctg	aaataaaaact	ggggccacat	attttcagtc	atttcttccc	600
tgttgaattg	aagcaaatca	gatttttctgt	ggggaccctc	aaatgcaact	gaagaaaatag	660
attgttgcac	tcattcctcc	ccacccccca	tttgtaggca	gtaaacaaaag	tatgactgac	720
agattgaaca	cctgcaaaac	tgctagcgta	atctcagcac	atacgagct	aggaaagttg	780
tcataaaatc	aacttagaaa	tgagatgagg	ctgttcagtt	tgtcttaaaa	aaatcagatt	840
aggtaaaagc	tgtcctacca	aagagtctag	caaaacaata	tagtatTTTT	ttgcagaggc	900
atgaaaaatt	aagatgcttt	agagtacttg	aaagttgtgt	agtcatttta	tttgcaaaat	960
gagggtgactg	tggcaaatta	tagaacacag	agtattatta	cttttgccag	gtttttctga	1020
cttgattttct	gtaatttcca	gaaaccacaga	cttctcattt	ccacacctag	agatggaaac	1080
aggcaagtaa	ctgacatgtc	tatttcccttg	ggagcatgtg	agaacatagc	agtagggacc	1140
aaaagtctca	gcacacttac	ctccgattat	gccttaaaga	gttgattgtg	aagaaccagt	1200
aactttgtcc	caaagtcttc	tttggtctgtt	tcatgcagga	cttaattatt	gcttttataaa	1260
attcacatg	aaaagacgat	tctgctgtat	ttgttaaacy	ttgacatttg	gttctagggc	1320
cttgagtatg	tgccacgtgc	ttgtgaaatg	ctatgattca	catgtaacat	ttaaacatta	1380
atttaaaaag	ggaaccttg	agaattcttt	tgttcactag	ttcctttttt	ctctacattt	1440
ttaattttatt	aaacttgctg	tgaaaacact	ttgattttct	aagaggaagg	tactttaagt	1500
tccagaatga	acatgtagct	gcactatgcc	agaaattaat	gagggaagac	tttcttccta	1560
agtgtcttatg	ttttaactta	tgtagtgaa	accactacaa	ggtgtttcag	gcgctgataa	1620
catgtctcac	acctgcccct	ggagggtcaca	gtactaattt	acttcaaatt	tagttatgac	1680
agtgtcactg	tatcctagtt	atgtttacag	cacaaataaa	taatgactgt	catacatcca	1740
gaggagaccg	aacctgccc	gctgatgtac	tgttttatgg	aataaagtca	cttgatcaga	1800
aggaattgaa	aaaaaaaa					1818

<210> 5993  
 <211> 1087  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(1088)  
 <223> n = a,t,c or g

<220>  
 <221> misc\_feature  
 <222> (339)...(686)  
 <223> similar to gi5105617 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 5993						
tttccggagc	ccgccccctc	cggggagnag	gaggaggggc	ggcgggggaa	gggagggcgg	60
gtggaggggt	cgggaggaac	ggggggcggg	aaagatccgc	cgggaccacc	ggcacggccg	120
gacgcgcgcc	gccgggttga	atcctccggg	cggactgcgc	ggacccacc	cgtttacctc	180
ttaacggttt	cacgccctct	tgaactctct	cttcaaagtt	cttttcaact	ttcccttacg	240
gtacttggtg	actatcggtc	tcgtgccggt	atttagcctt	agatggagtt	taccacccgc	300
tttgggctgc	attcccaagc	aaccgcactc	cgggaagacc	cgggcccggc	gcgcccgggg	360



<210> 5995  
 <211> 876  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (329)...(797)  
 <223> similar to gil399086 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 5995  
 agtctgcgag gaggaagtcg cctctgtgcc ccggagttca gaggtctaag acggcgctc 60  
 cctctgtcgc caaagttgga gtgcagtggc gcggtctcgg ctactgcaa gctccgcctc 120  
 ccggattcaa gtgattcccc tgccttagcc tcctaagtag ctgggattgc aggtgcccac 180  
 caccacacc ggctaataatt ttgtatttta atagagactg ggtttcaccg tgttgaccgg 240  
 gatggactcg atctcctgac ctctgtgatct gcctgcctaa gcctcccga gctctgggat 300  
 tgcaggcgtg agccaccaca cctagctgat ggtgccaaaga acgaagaagg aagctcctgc 360  
 ccctcctaaa gccgaagcca aagcgaaggc tttgcaaggc caagaaggca gtgttgaaag 420  
 atgtccacag ccacaaaaaa aacaagatcc acatgtcacc caccttccgg cggcccaaga 480  
 cactgtgact ccggaggcag ccaaataatc cttggaagag cacccccagg agaaataagc 540  
 ttgaccacca tgttatcatc aagtttccgc tgaccactga gtaggctgtg aagaagatag 600  
 aaaacaacag cctacttgtg ttactgtgtg atgttaaagc caacaagcac cagatcaaac 660  
 aggctgtgaa gaagtttgtg acattgatgt ggccaaagtc aacactctga ttcagtctga 720  
 tggagagagg aaggcatatg ttcgactggc tcctgactac gatgctttgg ttgttgccac 780  
 caaaattggg atcacctaaa ctgagtcaag ctggctagtt ccaaataatat gtatatcttt 840  
 tcaccattaa aagaatctta atctctcaaa aaaaaa 876

<210> 5996  
 <211> 3270  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (3107)...(1381)  
 <223> similar to gil87242 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 5996  
 tttttttttt ttggttcatt ggaaaaggat tttatttcac cataaaaatg caaactggaa 60  
 taaacaccat ctttcctaac gcgaacgtta cagctatttt taggtatttc tgagcttcac 120

ttggagaagc	aaacgattat	aaaacaagtt	tgcagcctga	aatctgtttg	aaacattcca	180
agtaaaaaata	atttagcaaa	acagcttctt	aaaaaaacca	cacacactaa	cctttactag	240
aaaccaaagc	ttttaaccaa	tcttttttat	gcttaattcc	ttgacgttgt	aaaaagtga	300
tgtttttgaa	ggagcatcag	accattttgt	accactcccc	acataccgac	accttagaaa	360
gaacggccccg	tttgagtttt	gatcttaaaag	gacttgtacc	ttcctcatcc	gtgactcaat	420
gtcagcacga	cgattcggca	tcccacccaa	actgcacttc	ctgatcagtt	aacattacaa	480
acgggggggga	aagaatcacc	agggcaacgc	tttcttttca	gtgccagtgt	gactatgggtg	540
gcccgtgcac	ctcctaggcc	gtgcacgcag	ggaggtcgcc	aagcagacac	agaaaatcccc	600
atgtgggggga	atgcagcagc	tctgccatcc	tcacgactgt	cggctctgtgc	aattttcctg	660
actgagagag	gaccggccgc	attaaagcta	tcggatcaag	ttttaaaagg	ctacgtgttt	720
gaaactgaag	tgccaagtac	gctgcggtga	gtggagaaaag	atggatctct	aaagcatggt	780
gtcttccttc	ctgccggcgg	gctccgtgga	cattcgtggc	tgcaagaagg	tcttggcttt	840
gcaggggtgg	acggagagcg	gccaaggagc	ggccaggagg	ctcgagcagg	tcctgtgtctt	900
tcccggacag	gccgtggggg	ggccgtgccc	gtcattacct	gttccaggta	ctgcggtgcc	960
tgtcggggga	ccgggagcgc	gaccgctcgc	ttcggcggcg	gtggcggctg	tgcttctgctc	1020
tggcgctgcc	cctccgctcc	cggtccgctc	ccctccggtg	cctgtctttg	ctgtgggacc	1080
tccgggaccg	ggtgtggtcc	gggctcgtgc	tgcgccggcg	ggggtgtca	tcctttagg	1140
cgtgcttctt	gtggggccgc	cgctccttgc	gtgacttcct	gtcctccctt	gctgactggc	1200
ccgccctggc	ccgggcttcc	tctccccgct	tgtcccgtt	cagcaagccc	cgttctccgg	1260
tggcccgcc	ccgcgccctt	gctgggctcc	cggttgcact	tgtcctgttc	tgaccggttg	1320
tcctttctgg	agacattctg	ctcgcaggca	gggatgccct	tgggctgttg	gttgttgtca	1380
ggaatgcagg	agaggacgcc	gcccgggcac	ctcttctctg	gagagccatc	ctcggggacc	1440
acacgacagg	agctctgaac	ctccttgcat	ggggcctcct	cggccacgct	cccgttcacg	1500
cttttgggag	cgccgtcggc	ctctgggtgg	gccgggctct	ccttgggggg	accggccggg	1560
ggctggcccc	cgaggggggtg	cagcgtggtg	gcgctcacac	agccggacga	cacgggtctgc	1620
aggatgtcca	ggacgggctg	cagcaggtcg	gcgtgtgcca	cgcccagctc	gtcgtgtgtg	1680
tggctgtcgt	ccggcttctt	gctcagcagg	atgctcagca	gccgctcgcg	cagctcccgc	1740
tctttccgct	gcaggcccag	cgcgcgctcc	ttctcctcct	cctcgctccg	cagctcggcc	1800
tctgcagcc	gccgcgcgtc	ctcctgctgc	tggagcctca	gcttctcctc	cttctgctcc	1860
tgttcccgtg	gcttcacagc	catgaggtaa	ggactggggt	gccacatgtc	tcaagcctct	1920
tgtcatgtct	ccttccgggg	gacttatcac	aacttggctc	tgtcagcagc	ctcggcgatg	1980
agccggatgg	actgcagggtt	cctctggggc	agcagcagct	tgcgctcctc	cagcttgatc	2040
ttctcctgca	gctgcttctg	ctcctccgcc	tgcagcttct	ccagcttctt	ctgattccgg	2100
cgcagctcac	ggtccctctg	cttctgctcc	ctcttgcgaa	gcttctcttc	tcttttctct	2160
tctcgctcca	gctcttccag	ctccttttgt	ttcctttcct	ccgctcgtg	cctctcctcc	2220
gcttcttctt	ctctgcgctt	ttgttcttct	ctttgctgct	ccagttcctg	aagcttctgc	2280
ctctccagct	gccgcttctt	aattgaggca	tactcagggt	gtttggctga	atcaaaaagaa	2340
accttgatgt	tgcaggccac	ggccttgccg	tcctcgccct	tgtacatgag	tttcatcccg	2400
cgcagggcgc	tcatggcctg	gatgaagccc	atgtactcac	ggtactgcac	ataggcctcg	2460
aagttcaagt	gccccccgaa	actgaagggtg	tggaaagtgc	ggcccgtcat	ctcctcccgg	2520
taggggtcca	gcatggggat	gtccacattc	cggatctccc	cgaacttctc	aaacaccttg	2580
accaggacgt	cctcgctggg	cttctcggag	cccgactcct	tcagggcgaa	ccacttgacg	2640
ggcagcccct	ccaggtggat	ggtgtccggc	cgctcccccg	gcaggggtctc	gttcatgtcc	2700
ttggcgctcg	ggaagaagga	gtcccagtcg	tggcgggtgg	ggaagtgcag	cttgaactcg	2760
gccgcgcgca	ccttcaggat	gtcggagaag	ccgctgagct	tgatggtctt	gccgtccagg	2820
caggccagaa	aagacttgac	caggctcttg	ttctccacct	ccccctcgaa	gcggatgaag	2880
tccatgggtg	tcttggaaat	acgcagcgtg	gagaactggg	ggttctgcac	catgcccttc	2940
agcctctcca	tcacctccca	gttggagatg	gacttccccg	gctgcttcag	ctgcgggagt	3000
gccacgctga	tggatcatctt	ggtgatgggc	ttcagggtaca	agccgtaagc	agggcagagc	3060
tccacggcct	cagacgtgtc	gtgcacgatg	gtagccgctg	ccatagcctc	cgggaccttg	3120
ggcctgcgcg	gggetccgcc	tgcgtccag	gccgcgcgcg	ccgctggccc	aagctcccgc	3180
cgtccctcga	cgatccccgg	acaggcgcgg	cctcaccgcc	gggagccgcc	accgtcccc	3240
ggaggcgct	ccgacgccgc	caccgcgcgc				3270



<210> 5997  
 <211> 2599  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <221> misc\_feature  
 <222> (2398)...(756)  
 <223> similar to gill196425 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 5997  
 tttttttttt ttaaagaagg aagagggtttt ttatttcggcc gggagcatca gcagactcgc 60  
 gtcttgagag ccgagctccc cgaaaaagaa attcctagcc ctttgaaggg cttacaactc 120  
 taaggggtct acgtgaaaga gtcataatag atcaagtaag tgtgaggaat gtgactgtgg 180  
 gctacctaca tcagctaaca gtacaaaaag ttttacagtg ctttctcata caatgtcttg 240  
 aatttacaga taacaccagt agttttgggtc aggggttaat attattatca ttctaaccac 300  
 cagggccagg tgggtggcgc aaggtcgtct agctatttat ctttcttctg tttctttcca 360  
 actttttgct ttctcccttt tctcctgtct tataaactag ggaaaagggg aggttgggga 420  
 gaaactgaga aggacaacag gagaagtggg ggtctcattc cctatttccc ccctttgaga 480  
 attttcaactt tttagtggga gttctcactc tcatcctcac tttttgagtc tctttgcgag 540  
 atagagcgat agtgattcat ataattcacg tgtgctgaag ttttctgatg aaccaaagta 600  
 gcaacaatac cttttatcat ttgaaaaagc aagggttaata cacaggggag cagcaagcaa 660  
 gttcttatta ctagcaatac acctacaatg aggggtttta atcctcctat agctggaaac 720  
 cattttccaa ataaaagactc aggatcaaac ttgtgccaaa cctgtatagg cacatgtgcc 780  
 aactttgtca tgtccctgac tatgttttta accacctgtc cttgatcatt tattttagg 840  
 cagcaattgg ttaagttaaa ttttctacaa actcctcctt cagctactag caagtagtct 900  
 aaggccagtc tattctgata gatagcattc ctcatattggg tttcttgcca agctaaaaca 960  
 gtcaaagctc tgccagtttc attagaaaatt atttctaaga tggcctgcaa ccgtatgatc 1020  
 caattgagca tgtagatggg ttccggtatcc ccatgagcca tcttgtgccc atgtggcagg 1080  
 ccataatac tgaatgatcc tttcacgggg ccaactcatta tctttccagt ttcctataac 1140  
 tatgcctttc ttttctcggg aggcgtagac agagaaacct agcagctcac ccatttttat 1200  
 gggttaataa aaaaaggatg gcttaatagt gccaataaca caactgtctg cccattttatt 1260  
 aggttaaccga aagtaggctc tgtgcctaca tatctagtat agtccagagg gaactgtcca 1320  
 gtcctaataa gattctgcat gagcctaagc agtttttaat ttagaaaatt tactaaatgg 1380  
 attccttttca gtgtgggttta ggtcctacta agtaattgtc ttgtttgtgc tgttatataa 1440  
 cttctgtcct atacaattag gctttcctac agggatgata aagtctttcc cttctctagc 1500  
 tatacagtat tgtctaataa ttgaggtttt taggacctag aagttgctag cttcggcctt 1560  
 ctaaattgga attatatcag gagctggatc agtaggcacc aactctcagg cttcccaagg 1620  
 ccatctgtct ccgatagtgg ttccctccgcg tacataacaa gaagtacat taagtaagaa 1680  
 aattacattt tctgctaatt ggagaaacaa attttttgtc tttttcagaa gttctgggtc 1740  
 tggcagattc agtcctcatc aaaagggttg aaatactggt ttgggagagc acttgtggac 1800  
 ctccccttta attaaaatga caacttgagg ttttaaccct gtccattga tccccagggt 1860  
 tacacgttct ccctttttcc aatggggatc taggggattg gtaattatta gttctagtgg 1920  
 gttacagtga ccggcagcac agggggggtt ggcttctccc ttctgaagat aaaccgagtc 1980  
 atttttgttc tttttttaag tagcctaaat aacacatggc caataggcac aatttttaca 2040  
 aaccctgac tcatgacaaa catattttatt ttctactctt tagctccttt ctcagtttaag 2100  
 agaaccacat cctatttcta gctttttact attaatggct gcacaagcat caaatcttaa 2160  
 agttatttgc ttggggattt ctttttcttc tgttctagtt attattttac ttgtatcacc 2220  
 tagcaaaagg ccagttctta tttcaaaaac ggtggttgca gcgggctcag atgggttata 2280  
 acacgcatca ggtcgggtcat ttctcgggct acataccttg tactgagtgg cattatacaa 2340  
 acaagtttcc ttttaattgt tccatacatt tcataataac tatagaacag aaagattggg 2400  
 tttaaattgc cggtcctact tcggggggacc tggataaata cactggggaa cagtccccag 2460

```

tttgagtaag atcagttgaa gcccttactg tataagtcca aaattttaaga aaaatgaatc 2520
tcatgatgag cttcttcagg cttcggcgtg cgtggaccag tcagcttccg ggtgtgactg 2580
gagcagggct tgtcgtctt 2599

```

```

<210> 5998
<211> 767
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (176)...(552)
<223> similar to gi5912179 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 5998
ggtggtgctg ctgctatgag ctgcaccatc gagaagatcc tgacagacgc caagacgctg 60
ctggagagggc tacgggagca cgatgcggcc gccgagtcgc tgggtggatca gtcggcgggcg 120
ctgcaccggc gggtagcagc tatgcgggag gcggggacag cgcttccgga ccagtatcaa 180
gaggatgcat ccgatatgaa ggacatgtcc aaatacaaac ctcacattct gctgtcccaa 240
gagaacacac agattagaga cttgcaacag gaaaacagag agctatggat ttccttggag 300
gaacaccagg atgctttgga acttatcatg agcaaatac ggaaacagat gttacagtta 360
atgggttgcta aaaaagcggg ggatgctgaa ccagtcctga aagctcacca gtctcactct 420
gcagaaattg agagtcagat tgacagaatc tgtgaaatgg gagaagtgat gaggaaagca 480
gttcagggtg atgatgacca gttttgtaag attcaggaaa aattagccca attagagctt 540
gaaaataagg aacttcgaga attattgtcc atcagcagtg agtctcttca agccagaaag 600
gaaaactcaa tggacactgc ttccaagcc atcaaataac tgaactctga atgatggctg 660
gagattgtct atcaaggaag gaagttactg tcttccatt caagtactgt ccattaagtg 720
tcttgctca gatttgattt aatcttaatt aaaggatatca ggtggca 767

```

```

<210> 5999
<211> 495
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (408)...(46)
<223> similar to gi2367264 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 5999
catatgacca tcgattcgag gtccgggtgcg ttacattgca tcgactggaa tgacactgcc 60

```

ctgtccccac	ccaacttact	tgccttgac	cacatttcgc	acttcgctca	tggcactgat	120
aagccgtggg	tcgtagtcat	tttccagcac	ccattgcagt	acgtcagtgt	cgaggtaatt	180
ccactggtta	cgcggtgcca	caaacgcccc	gcgataacgt	ttcatttcaa	tcagccgctt	240
cgccatcagc	gaacggaaca	cctcacggat	gatgttgccg	gaggttgcaa	actcctcaca	300
gagttccgcc	tcagccggaa	gcggcgagcc	tggcacgtat	ttgccgtgac	cagatctgtt	360
taccaggggt	aatggcaatg	cgttcggttt	tattgagagt	catggagagt	ccttgtgtct	420
ggtatgttct	tctctacttt	cccccgatcg	atgcataacg	cggcattctt	gtagtgccag	480
cgatgatcac	ttcgc					495

```

<210> 6000
<211> 1059
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1006)...(373)
<223> similar to gil491702 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

<400> 6000						
gtttccttat	ttgttaaatgt	ttttcttttt	ttaaatcgct	ccttgtggag	cagtgtctaac	60
tcttaggcag	tgcagctgag	ctgtcaacaa	ctactgttat	acagagaaca	taagaatggg	120
taattagagg	aggtaggata	ttgttggtgc	agctatatatta	tttaaaattg	gtggaagtcc	180
aggccgagca	ccgcggctca	cacgtgtgat	cctcaagaat	ctaacacacg	aggagcgtga	240
ccagtttcta	aggggaactg	tgcacacaga	cccagagggc	accttactaa	actcaggagc	300
aacagagtga	gcatgtgtct	cctctgacct	ggctaggaga	cagatccagg	catagaccct	360
ctgggctgct	gtgggttcag	ccactggagg	aggagatgga	tccaggcata	gacctgccag	420
gctgctgatg	ggttcagcca	ccgggggaga	cggaccagg	catagaccgg	ccaggctgct	480
gtgggttcag	ccactggaga	aggagatgga	tccagtcata	gacctgccag	gctgctgatg	540
ggttcagcca	ctgggggaga	tggatccagg	catagaccgg	ccaagctgct	gtgggttcag	600
ccactggagg	agacggatcc	gggcatagac	ccgccaggct	gctgtgggtt	cagccactgg	660
aggagacgga	tccgggcata	gacccgccag	gctgctgggg	gttcagccac	tgggggagac	720
ggatccgggc	atagacccgc	caggctgctg	tgggttcagc	cactggggga	gacggatccg	780
ggcgtagacc	cgccaggctg	ctgtgggttc	agccactggg	ggagacggat	cggggcatag	840
acccgccagg	ctgatgtggg	ttcagccact	ggaggagacg	gatccgggca	tagacccgcc	900
aggctgctgt	gggttcattc	actggaggag	acggatccgg	gcatagaccc	gccaggctgc	960
tgtgggttca	gccactggag	gagacggatc	cgggcataga	cccaccaggc	tgctgggggt	1020
tcagccactg	ggggagacgg	atccaggcat	agtcctttt			1059

```

<210> 6001
<211> 2055
<212> DNA
<213> Homo sapiens

```

```

<220>

```

<221> misc\_feature  
 <222> (1440)...(838)  
 <223> similar to gi3875538 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 6001

ttttttttta	tattgtaa	aaattta	aatg	accaa	atgat	agact	ggtaa	aaaat	gtgcc	60
tatcaccaag	ggctgata	cc	tttctgtg	cccagg	ccct	ctgct	cttta	aaaat	ggggc	120
acaaatacag	gcaggta	aga	gacagacag	tctcat	cctg	cact	cttg	tttct	gagag	180
gtatgacccc	aaggtc	ctgg	agtctag	ctg	cttcct	ctctg	ggaaa	tagag	gagtg	240
atattggtag	tacctag	ggc	atagcact	gc	tgggaca	att	cagtga	tttg	gggact	300
tccatatcaa	gatgac	ctga	tctgtct	gt	gcgggaca	gtggc	tagca	cggag	ccctt	360
gttaggcccc	cctacc	atct	gacctt	ctc	aaacct	tccc	gtctga	ggac	atctgc	420
acacttgtcc	ctcca	atgct	gtctcact	ct	ggatg	gccct	gacac	ctgag	agccag	480
gccaaagtgt	ttctag	gacc	tttgtat	tc	taggc	ctggg	ttcct	gtttc	atttct	540
ctgatggccg	agtggc	cttg	aggaag	caac	atcttt	ccag	gcctc	ctttg	acccact	600
ctagttcatg	gggccat	ctg	aggatc	caac	ccggt	gtcag	gcactt	cgct	cgggc	660
agaggacaga	agcgtc	ccgt	agcagag	gct	ttcgtt	cttt	aatagt	cgct	ctgagc	720
tgtctgcctc	catccag	ctc	tcactt	tccc	tgtct	ggctc	taatt	ctgg	tgacc	780
ggcatagctg	aggctc	ggag	gtcagga	acc	gtggact	cca	ggagg	cagtt	ttgagg	840
ttcaggcttg	gccacg	gcag	gatacc	acca	ttccat	ctca	gaggc	atgag	gagtc	900
gccccgactt	ggtgac	ccctt	gccctg	tgtg	ccccct	caac	agtgg	ccagg	ccctc	960
tgtgtctgct	gggggag	cag	gagcc	gggtg	tggggg	catg	ggaag	gcggg	acgcct	1020
tcccacaggc	ccggtg	gctg	agtcac	cagg	cggccat	ctg	gctccc	atta	gcccag	1080
gcagggggct	ccatgg	ggcg	ggccct	gcgg	ccagct	gggg	gcaggg	acgc	tgggg	1140
tgtgtgtggg	atgact	cagg	acccat	gata	acagc	ctgtg	cgcat	ttggg	gagtgt	1200
aggagagggg	gagga	aggcg	gagga	aggga	aaatt	gtgg	tgggc	agagg	ggggct	1260
gggctgagaa	gggtag	agtc	ccccct	ccct	ctacact	caa	gctgg	caggc	cccgtg	1320
acagcctggg	tcctg	ggggag	agaag	agagc	tgcccc	catc	ctccct	gcct	ggggtc	1380
ccctcccctg	gggctg	tatt	actcag	tgg	cagggt	ttctg	ctgcct	atag	cagccag	1440
tgagggaagg	gggaag	aagg	ggccc	agagc	ctggag	tggg	ggatc	aaaa	ccagag	1500
aggctgagag	acagac	agag	aggga	cagtg	agagc	agagg	cctag	agagg	tggaa	1560
caagtagaaa	gaagag	ggccc	agagt	gaggc	agaag	gagag	atggg	aacct	aacaga	1620
aggaggctct	gagtg	tgaga	cacag	cgcag	acataa	acag	agagg	gggag	acagac	1680
cgggaggcag	ctgcg	ctggg	gcctag	gggt	cagca	ccgga	accaa	actgg	ccactt	1740
ccacgaaagg	ccccg	ccagc	tggcct	ccgg	caagg	gggag	acttt	cacct	tggg	1800
ggtggagaca	gagcct	aagg	cagag	agaga	ggggg	agaaa	gggag	agaca	gccag	1860
gcactggaaa	gaggg	gagcg	gggtag	gggag	agagac	agaa	agacag	aaaag	agacag	1920
aagcccagac	agacac	caag	aaagac	agag	gcagg	agaca	gggtg	gggag	gatga	1980
ggaaccccag	aaacag	tggg	ggtggg	gggtt	gtctg	agatg	agacta	gacc	cagtga	2040
gggggttggg	gtggg									2055

<210> 6002  
 <211> 6655  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (4793)...(988)

<223> similar to gil89036 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 6002

ataaccattt	attagtcgaa	agtgttttta	agcacagtca	gggtgtaaac	agtgcagcat	60
tcctgctccc	ctccgtggga	gcagcgtctc	cttttcaatt	catgtgacta	cagaaggcac	120
ttggtgaact	gtgctgtctc	gaggtgtgga	aaccaggaga	cgctgctccc	acagtcaggg	180
tgtaaacagt	gcagcattcc	tgctcccctc	cgtgggagca	gcgtctcctt	ttcaattcat	240
gtgactacag	aaggcacttg	gtgaactgtg	cgtgtctgag	gtgtggaaac	caggagaggg	300
ggaaagaatt	ctcaaaggcc	tgacgtgaga	agttggaaag	gtttgcaggt	tagggaatga	360
attgggagtg	ggggccggcg	gcacccattt	cggtgacttt	ctccccattt	catgtaaaca	420
gaattgccag	ggaccgggta	ccgtggatat	gtttttctaa	aaactcagtg	tctgcacaat	480
ccattgatag	aactggagga	tgtgtctgtg	tttctgtttg	ggtttttctc	atctcttaca	540
tcatacaaac	ttcaattttt	accttgaata	caggggtagt	aggggtgggtg	gtgggtgggtg	600
tggttgagac	agggtctctg	ttgccagggc	tggagtgcaa	tgatgcaatt	atagctcatt	660
gcagcctcga	agtcctgggc	tggagcgttc	ttcctggctc	agcctcccta	gtagctggga	720
ccacaggtgt	gtaccaccac	gccagcttta	tttttaaatt	cttgtataga	tgaggtttta	780
ctacgttgcc	caggctggag	ggtggtgggt	tttatattcc	ttgtgtgagg	ggtgtctgtg	840
atatttgga	tttgagaatg	gatttagaca	atgctaagta	cagtctgctg	ggttttgctt	900
tgttctgggt	tgttggtggg	ttttttttgt	ttgtttgttt	tggtttttgg	ttttcttgcc	960
gtggtgcaaa	actgtagaaa	gttgcttatt	cactggcctt	ggttccattg	aagtctgcgt	1020
ctcgagtgtc	cgtttcctcc	tcagaaccat	ctgcattttc	aataactcta	cgctcctccag	1080
accttctaga	aggaacgaaa	gaggtctcgt	ttcctcgctc	gagcttgctc	ttgagtgcgt	1140
tcacctcgcg	gcccattggc	tcgttgctct	ccgtggcctc	atccagctcc	cgctgcagct	1200
tctgctgggt	ggcgttgatg	cgctgggact	cctcctctgc	ctcctccagc	tgctcttga	1260
gctgcttgac	cctggcattg	cctttctctg	cctgctcctt	gtactgctcg	gccatcttgc	1320
gctcgctctc	cacctgcagc	aagatttctt	tcagcttctt	gtctttctgc	ttcagcgact	1380
tgggtggccg	ctgtttctct	ctggcctcct	gctcgacctg	ctcctctagc	tgtgcaatct	1440
tggcctccag	cgccgcgatg	gtggatttga	acttgagact	gacggcccc	tccatctcgt	1500
ggagcttgct	ccggagctcc	ttgttctgcc	gctcgagctg	ctgccgggca	ctctcattct	1560
tctgggccgt	gctgcgctct	gtggccagct	cgttgctgag	ctgctcggcc	tgtgtgtgtg	1620
ctttgcggac	ccggtcgtct	atggcctcca	tgttgccctg	ctcctcctcc	agctcctcct	1680
ccagctgggc	gatccggggc	tccaggcggc	gcttctcgtc	ctggagtgcg	ttccttcccg	1740
acaggctact	ggcccagctc	ctctgccagt	tcctccttct	tcgaggtcgg	ctttgtttgc	1800
gacctcttct	agcggcgggc	aggtccttct	tgtagctgca	tgaggctcgt	cttccaagct	1860
cttggctttc	ttctcattct	ctttgggctg	tggcaaaaga	tctcattctt	ggaggcacgg	1920
ggcatcttcc	agctctcttt	gaaagtcctt	catctgagcc	tgcagtttgc	gtagctgctt	1980
gatggctttc	cctccccctc	ctttgatggc	agagtcggcc	taaagatcca	aggttcttac	2040
aggggtcccat	cccagcttta	tttttgctgc	agctgccagg	gcacgttgct	ttcgctcgtc	2100
ttccagttcc	gtctcatact	cgtgaagctg	tctctgcaga	tgccctcctg	ctcgctcctca	2160
ttctgctcgg	ttcgggcttg	gagataccct	ttcgaaactg	gcccttgaag	gcgcttgcct	2220
gttgacttcc	agccgcagtt	tgggcgtccc	tccgtgggct	tgcaagctcg	gtccttccaa	2280
gctcttccaa	ctggcgtctt	catctcctcc	aatctggggt	ctcccagggc	ccggcttggga	2340
cttctccca	atcatgggac	agttcttgcc	caacgtcaat	ccttgggaagc	tgacccaggt	2400
cttccattt	ctggctttga	gcatttttgt	ggtcgcgtcg	agttcctctt	tggcttccaa	2460
ggcctcttca	agggcccgag	cccagggaca	gggccttggt	ttccttctcc	ctggcttctg	2520
cctcaactct	gtccctctca	tccgcgtatt	tgggaagagat	gtttttctcc	tcggctaaca	2580
actgatcaaa	tttctctctg	ttcttttcca	ggttggaacac	cagttgcgcg	tggttgtcca	2640
aatcaacaac	caggtcgtcc	agctcctgct	gaagcctggt	cttggtcttt	tccagtttat	2700
catacgcggc	cgccttctcc	tcgtactgct	gggtgaggtt	ctcgatctcc	ttctggaacc	2760
tcttcttccc	ctcttccaga	gcttccacgg	tgttggaaca	gtcctgcagc	ttcttcttctg	2820
agtcggagag	ctggatgttg	agagtggaga	tgtggcgctc	caggttctgc	ttggcctcca	2880
tctcctcgtc	cagctgggtct	tgcaggctgt	tccgctcctc	ctccagctag	gcgcagcgta	2940
cgtagacacg	ttgagcttct	gccgggattc	ttcttgaagc	agctcctggg	tgtcctggta	3000

09488725.012100

gctgggaact	gagggacgcc	acgtccttgg	ccagcttaat	ggccttcccc	tcggcctcgt	3060
taagcatccc	ctgtgacgct	ctcaacttca	ttctgcaggc	ttgtggactt	tgtcattgag	3120
ctccgcccgg	gcccgcctcc	catcgctgca	cttggactgc	agctcctgca	cctgcgcctg	3180
cagcttcttc	attctatggt	ccacctcctg	cttgggcctg	gcccaggacc	cgcagctccc	3240
cggccagggg	ctgtgtttct	tttctccagc	gtctgcttat	tcttgtctag	gttcgccttg	3300
gccctctttt	gactgctcaa	gctgctctgt	gaggctctgc	accgcctgtg	cgtgtttctg	3360
cctcatctcc	tggacctgag	cctcatggga	ccgcgtctct	tcattcaggg	cccctcttca	3420
gcaccgtcac	ctcctgctcc	ctcttggccc	tgagctcctg	ctgagtggct	gtgctgtcca	3480
gtgtgtcttc	cagctctgtc	tttagggcct	ccagctcctc	gccgaggtct	cgttctctgt	3540
tttcagcctt	gttccctggcg	gcccgcctctg	agtccaggtc	ctcctggagg	tctgagatgt	3600
ggccctccag	ctcccggatc	ttcttcaggg	cattgttctt	ctgagcgatt	tcatcgtcaa	3660
gccctggccag	ggccgcctgc	agctcctcct	ccttcttggc	cagctgcate	ttgagctctg	3720
cgatctgcgc	ctggagggtca	gcgatctgct	cgtggaagtc	gctggcatca	ccctccagct	3780
tccgtttcag	cttctccagc	tctgtcgggc	tcttctcttc	cttcttttagc	cgcacttcca	3840
gttctgaaat	catagattca	tgttgtttt	tcagcttggg	aagattcttg	gccttttctt	3900
cctcttctgc	aagatttgtc	gttaagtcac	taatcctctc	ctcaaggagt	tttctgttctt	3960
ttgatagtgt	attgttctga	tcatccatga	ccaggatctc	atcctccagt	ttcttgatct	4020
tggcctcagc	cgtgaccttc	tcaagttgca	gcttctgcct	ggcagcttcc	tcctcctcca	4080
gctgttcttc	aaggctccagc	atctgctggg	ccatcttctt	cctttcagcc	tgtagctgct	4140
ggccctctgc	ttctcctcct	tccaggcggg	cctccatctc	atgcagtatc	tcctccagct	4200
cctgcttctt	ggccgcagc	cgcacccgca	tctcctcagc	ctctgcatac	agctctgtct	4260
ctgcctgcag	ctgttcctgt	agcaggttct	tctcctcggg	cagctgcgag	tgcttctgtt	4320
ccagctcctt	aagctcatte	tctgccttct	gctgccgctc	cttggctctc	tgcagttcat	4380
cctccttggc	ctgcatctcc	tactcctgcc	gtgtcaacctg	cagcagtggc	tacactttgg	4440
tgaaaagcct	gcaccactgc	cagttccgca	gcttgatgta	tgccggcgag	ttcctctgaa	4500
tcaccttcat	ggcggctcagc	tgtctgtgcc	tcttggcaaa	agcctttctg	gccaagtagc	4560
cacgacacat	cgcctggaag	gccatgatga	catcggtgat	cttcaaactc	cgtcctcct	4620
ctaggtgggc	caggacgcca	gttcggaaga	agattttgct	ctgccctatc	ctgtataagt	4680
tggggtcaag	ttccagggct	ttgatcatga	gaatgcaggc	ctgcttcccg	tccatgaagc	4740
ctttggggat	ggcatctgcc	gccaggatct	cgtaccgttg	gcggaactcc	tggaaagacga	4800
tccggttggg	gaagccctgc	cggcagatgc	gaatgccttc	cagcacccca	ttgcaccgca	4860
gctgctccag	caccaggaac	gcatccagct	tgccggacct	cttctcgtgg	ttggggatga	4920
tgcagcgcac	gaagttgggc	gtgggtgttg	gtagcgtggg	catcagcttg	cccagctgct	4980
ccttgtacag	ctgccccact	gtgcggaaca	tgcccttctt	ggtcttggag	gcgctgggca	5040
gcgagctctc	cgtcatcttg	gccatctggg	ccaggcccac	gatgcgggtcc	acgtccttcc	5100
acaggctcgg	cacaaacttg	tccgaggagg	cattgagcag	ggaagtacag	ttgtcattca	5160
gcgggtccat	attcttgggc	agccaggcac	tgcattata	gtctaccttc	ccagcataat	5220
ggatgatgga	gaactcagtc	ttgtccttga	gctgcttggg	cttctggaac	ttgggggtggc	5280
tgccctgctc	cgtgcacagc	ttctccacga	aagacttgtc	cgtggctttg	gggaaccagc	5340
attcctcgtc	cagcaggggc	agcacacctg	gagggttgtt	cggctcgctcg	atgagctcga	5400
tgcagggtctg	taggtccagc	ccaaagtcga	tgaagttcca	ctcgatgccc	tcgcgctggg	5460
actcctcctg	ctccaaggat	gaacatgggtg	tggttgaaga	gctgctgcag	cttctcgttg	5520
gtgtagttga	tgcacagctg	ctcgaaggag	ttcacctcaa	agatctcaaa	tccagctata	5580
tccaggatcc	ccagggaagg	agccccttgc	cgatgggtct	tgtccagggg	tttgttcacg	5640
cgggtgagta	tccagcgga	aaggcgctca	tatgttgctt	tggccaaagc	ctctacagca	5700
aagtgcgctt	gttcttttgt	ctgagctttc	tgtaccacat	ctcgcccaac	cttgatacga	5760
ggagtggaga	tggatctggg	gaaatctgtc	acattaattc	ccatgagggtg	gcaaactttc	5820
tgagcagctg	tgttatctgg	catggacgcc	tggctctgtg	ttctttcctt	cttgaagacg	5880
atatttccaa	gctgcaggac	cgatgatacc	accttcaata	tggatagctg	ctcctcctcg	5940
ctgaaaccca	tgattgccat	ggcctccacg	gtttcctgga	acatctcate	atcctgggct	6000
gctgggatgg	gcacaaagcc	attggagagg	aagggtgtagt	tgttgaagcc	ctccaaaagc	6060
aagtcacttc	tcactttctc	cttggctcca	gcaatcatgt	agtaaaagat	gtggaatgtc	6120
ctctcgtctc	tggcttggcg	aattgcccgt	gatttttcta	gcagatagggt	ctcaatgttg	6180
gctccacaga	tgtaacccgt	gacgtcgaag	ttgatgcgga	tgaatttgcc	gaatcgtgag	6240
gagttgtcgt	tcttcaactgt	tttggcgttg	ccgaaagcct	ccagaatcgg	gtttgcttgt	6300
agaagctgct	tttccagctc	tcccgatgata	cttgtgtctt	tcttgcctt	gtgggaggag	6360
gccaccacgg	ccagggtactg	aatgaccttc	ttggtgtttt	cggttttccc	ggctccagac	6420

tcgcctgtgc	atagaatgga	ctggtcctcc	cgatcttgaa	gcatgctccg	gtaggccgtg	6480
tctgcgatgg	cgtagatgtg	aggcggcatc	tcgtgcctct	tcttgccctt	gtacatgtcg	6540
acgatcttct	ccgagtagat	gggcaggtgt	ttataggggt	tgaccaccac	gcagaagagg	6600
ccagagtacg	tatatattag	ccctgagaag	taccgctccc	tcaggttgtg	tagca	6655

<210> 6003  
 <211> 2462  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <221> misc\_feature  
 <222> (727)...(2123)  
 <223> similar to gi4378022 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 6003						
ttcccatccc	acctcccgag	ccttcctctt	cccgagcac	gcccggccccg	gcccggccgt	60
ggccctcctc	agtgccggcc	gccatggcag	aggcgtccgg	cgcggggaaa	atctagccccg	120
gggatttcat	gcggcctagc	tcggttccgc	ctcctcctcg	cgcgggcccca	gcggctgccc	180
gcaccccagc	cccactccgg	gcctccgtgt	ctctcctgtg	atcgcaactga	cacggccggg	240
gggttagaat	ggaacaaact	gaaggccga	tgagagaaaag	ggaaagttaa	ggatgctgga	300
gcagaacaat	ggatttctct	ttctctttca	tgcaagggat	catgggaaac	acaattcagc	360
aaccacctca	actcattgac	tccgccaaaca	tccgtcagga	ggatgccttt	gataacaaca	420
gtgacattgc	tgaagatggt	ggccagagcac	catatgaagc	tactttgcag	caaggctttc	480
agtacccagc	tacaacagaa	gatcttcctc	cactcacaaa	tgggtatcca	tcatcaatca	540
gtgtgtatga	aactcaaacc	aaataccagt	catataatca	gtatcctaata	gggtcagcca	600
atggctttgg	tgcagttaga	aactttagcc	ccactgacta	ttatcattca	gaaattccaa	660
acacaagacc	acatgaaatt	ctggaaaaac	cttcccctcc	acagccacca	cctcactcct	720
tcggtaccac	aaactgtgat	tccaaagaag	actggctcac	ctgaaattaa	actaaaaata	780
acaaaaacta	tccagaatgg	cagggaattg	tttgagtctt	ccctttgtgg	agacctttta	840
aatgaagtac	aggcaagtga	gcacatgaaa	tcaaagcatc	gaaagcagaa	aagaaaagag	900
gaaaaaaaagc	aacaagcatg	actcatcaag	atctgaagag	cgcaagtcac	acaaaatccc	960
caaattagaa	ccagaggaac	aaaatagacc	aaatgagagg	gttgacactg	tatcagaaaa	1020
accaagggaa	gaaccagtac	taaaagaggg	aagccccagt	tcagccaata	ctatcttctg	1080
ttccaacaac	ggaagtgtcc	actggtgtta	agtttcagg	tggcgatctt	gtgtggtcca	1140
aggtgggaac	ctatccttgg	tggccttgta	tggtttcaag	tgatccccag	cttgagggttc	1200
atactaaaat	taacacaaga	ggtgcccag	aatatcatgt	ccagtttttt	agcaaccagc	1260
cagagagggc	gtgggttcat	gaaaaacggg	tacgagagta	taaaggtcat	aaacagtatg	1320
aagaattact	ggctgaggca	accaaacaag	ccagcaatca	ctctgagaaa	caaaagattc	1380
ggaaacccccg	acctcagaga	gaacgtgctc	agtgggatat	tggcattgcc	catgcagaga	1440
aagcattgaa	aatgactcga	gaagaaaagaa	tagaacagta	tacttttatt	tacattgata	1500
aacagcctga	agaggcttta	tcccaagcaa	aaaagagtgt	tgcttccaaa	accgaagtta	1560
aaaaaaacccg	acgaccaaga	tctgtgctga	atactcagcc	agaacagacc	aatgcagggg	1620
aggtggcctc	ctcactctca	agtactgaaa	ttcgagagaca	tagccagagg	cggcacacaa	1680
gtgcggaaga	ggaagagcca	ccgcctgtta	aaatagcctg	gaaaactgcg	gcagcaagga	1740
aatccttacc	agcttccatt	acgatgcaca	aagggagcct	ggatttgag	aagtgttaaca	1800
tgtctccagt	tgtgaaaatt	gaacaagtgt	ttgctcttca	gaatgctaca	ggggatggga	1860
aatttatcga	tcaatttggt	tattcaacaa	agggaattgg	taacaaaaca	gaaataagtg	1920
tcaggggggca	agacaggctt	ataatttcta	caccaaacca	gagaaatgaa	aagccaacgc	1980

```

agagtgtatc atctcctgaa gcaacatctg gttctacagg ctccagtagaa aagaagcaac 2040
agagaagatc aattagaact cgttctgaat cagagaaatc cactgagggt gtgccaaaga 2100
agaagatcaa aaaggagcag gttggcttcc tacatgtaga gagttaaacc attgtatttg 2160
taaagtgtgt ggcttacatt cctgtcttaa aagaaagaga aactttcccc cacactgagt 2220
ttcctttctg gactatctta acgcttctgt cctgggtggg tccagtgtct agttttaata 2280
cagccatccc tgtgattctg cttcaagcat ttccacagaa aacagggttc aggagatggg 2340
aagccagtgg tgcaagactt aaaaaatcct tcacatttat ttagaagttt ctgttatcag 2400
cagaatgatt tcatgttttt atgattttta ttggaacca tcattgagtt cttttttttt 2460
tt 2462

```

```

<210> 6004
<211> 4652
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (939)...(1912)
<223> similar to gi495568 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 6004
ctcatttgtt ctgtgtcgag gcgtcgggag ggcctaagtc cgtgtgcggt gcccttcggc 60
cggcctgagc ccagagtgca gctccccctt ctgcgccagc gccccccagg cgctcccggg 120
gctcacggaa tagtaaagaa acacatcata aaacctccca ggacataaag gtgagcacag 180
accctgtttg gatcaagtca gttcctggag cctgaatgat gactgctgaa tcacgggaag 240
ccacgggtct gtccccacag gctgcacagg agaaggatgg tatcgtaata gtgaagggtg 300
aagaggaaga tgaggaagac cacatgtggg ggcaggattc caccctacag gacacgcctc 360
ctccagaccc agagatatcc cgccaacgct tcaggcgctt ctgttaccag aacacttttg 420
ggccccgaga ggctctcagt cggctgaagg aactttgtca tcagtggctg cggccagaaa 480
taaaccacaa ggaacagatc ctggagcttc tgggtgctaga gcagtttctt tccatcctgc 540
ccaaggagct ccagggtctg ctgcaggaat accgccccga tagtgagagag gaggccgtga 600
cccttctaga agacttgag cttgatttat caggacaaca ggtcccagg caagttcatg 660
gacctgagat gctcgcaagg gggatggtgc ctctggatcc agttcaggag tcctcgagct 720
ttgaccttca tcacgaggcc acccagtcct acttcaaaca ttctgtctcg aaaccccgcc 780
tcttacagtc acgagctctt cctgctgccc acattcctgc accccctcat gagggtagtc 840
ccagagacca ggcgatggca tctgcactat tcacagcgga ttcccaggca atggtgaaga 900
tcgaggacat ggctgtgtcc ctcatctctg aggaatgggg atgtcagaat ctggctcgga 960
ggaatctcag tagggacaac aggcaggaga attatgggag cgcatttccc cagggtggtg 1020
aaaacaggaa tgagaacgag gactcaacct caaaggctga aacctcgga gattcagcat 1080
cacgcgggga gacaacagga agatcccaga aagagtttgg agagaaacgt gaccaggagg 1140
gcaaaacagg agaaagacag cagaaaaacc ctgaggagaa aaccaggaaa gagaaaagag 1200
attcagggcc agctatagga aaggacaaaa aaaccatcac aggagagaga ggtccaaggg 1260
agaaggggaa aggattggga agaagcttca gtctgagctc caacttcacc acccctgaag 1320
aagttccac gggaaacaaag tctcacagat gtgatgaatg tggtaaatgc ttcacgagaa 1380
gttcaagcct tatccgccat aaaataatcc aactggaga aaagccctat gaatgtagtg 1440
agtgtgggaa agccttcaag tcttaactcc caacctgtc ctgcatcaga ggatcccaca 1500
caggagagaa acctcatgaa tgtaacgagt gtggcaaacg cttcagccac agttccaatc 1560
tcatcctcca tcagcgcatc cactctggag agaaacctta tgaatgtaat gagtgcggga 1620
aggccttcag ccagagctcg gaccctcacc aagcatcaga gaattcacac gggggagaaa 1680

```



cctatgaat	gtagtgaatg	tggaaaagct	ttcaaccgaa	actcatacct	gattttgcat	1740
cggagagttc	acactcgaga	aaagccctac	aagtgcacta	agtgtggcaa	gggccttcac	1800
ccgcagctcc	accctcactc	tgcatacacag	aatccatgcc	agagagagag	cctctgagta	1860
cagcccagcc	tcccttgatg	cattttggcgc	gttcctgaaa	agttgtgtgt	aaaggaagaa	1920
tttgccatca	agccatttcc	cccttttggt	tctaaaatta	tttcagagat	gtgtgctcct	1980
ggagggaaaa	agaaatacag	cctcaacaga	ttaaaaaaca	aaagtccacac	ttaaggatcc	2040
ttctagtcac	atcagcagtg	ttctgccttt	atgtagtagt	tgggcatata	atccttccac	2100
acagcccctg	caggggaaag	ctaattcttac	ggataatcca	cgtgagattt	ccacacaaga	2160
gaaaagcaca	cgcatagtga	aatgtcagtc	ttttcagtaa	tgaggatacc	tttaaggcac	2220
tcttggaetc	tcggaacca	caacataata	gttgaaagat	caagattggc	tccaccaaag	2280
tgatacggag	gttaggatgc	tacttgctgc	aaacaagccc	tactttggcc	aacatcctgc	2340
ttatttttca	aaaaagagg	acagtgaaaa	ccaaaaacga	aattgtttaca	tgctgctcaa	2400
gtagttata	tatacgataa	gttgatatata	tgatcactgg	tagcctacca	aagctgtaaa	2460
aaactaggac	tgtgtctaac	agtatcaaac	caaaaggatt	tctatctctt	cccgaagag	2520
agggtagtgg	caccagtcta	cagttccaaa	ggactgcaac	aaatgtagga	tggttctgtc	2580
ctcatccctg	agatcagttc	tactgaaatg	gcaacaacaa	ctccaaatac	atctctccct	2640
tcttgaaatc	cctaaagcac	tatcgcactc	ctaaatgcat	ttctccacaa	gttagcactt	2700
gattgtatac	tgtcttttaa	tccttcattg	tttcatgtat	gaagttttta	atcacccctt	2760
aaccccaaaa	aaagattcgg	ttgtcaagg	atatatttct	atccctgcc	gcacagtgt	2820
ggacatagtg	agtactgaac	acctaagagg	cactcattca	gactgacttc	tacaggactt	2880
ctacgtgtgt	gataaaagcc	tgtgaatcgt	gagtcctga	aatatggtag	cctggcccag	2940
gttttaaaga	gggcctttgt	agccccaagg	catgctaaac	ctctagggtc	tgatgctgtt	3000
tttgttccaa	atattaacga	aaggcactag	tcagccgcct	gcatagacct	ttttaacagt	3060
gagttaatac	catggaatgt	cagaaatgac	tttatcatcg	tcactctgaa	gaaaaatatg	3120
aaccctgatg	aaggtcattt	tttttttttg	acatctttct	gtggcaaagc	tcttagaatt	3180
ctttgcagtt	agctgctgaa	cagtatgatg	atttggggat	tttctgaatc	atttgtactt	3240
agatactgga	gttcagaaga	tgtgattttt	gttgcttttc	agaaaaagga	acgtggtagg	3300
gagtgttttt	tcccacgctt	ttccagtaac	tttgcaaaaag	cattaattgt	tactggcaa	3360
ttactaaatg	tattttgttg	ctctgagaaa	ctcagcagtg	tactgagatg	tggttggtg	3420
tgccatcgct	atagtgacac	gtgacttttc	tgtttcttat	cactaaagac	tgaggtgagg	3480
ttatgaaact	ttcattggtc	ccatcgttgt	gcgcagggtg	caactggcta	cctagaagct	3540
gatggcagga	gactgtttca	cacacaggag	attgtgagct	gtgtaagtag	tcactgccac	3600
tcaagtagga	caagggtcct	acccaaggct	aggaccgccc	tgcggaaaca	gaaacataga	3660
ctgagaacaa	acctcaagac	tatcagtggtg	acctcccat	aacaagagaa	ccccatatat	3720
agtttgagac	tttcccttga	gaaacttata	ctaaaactat	tactcatcag	tattcactg	3780
atcagcagct	aaagtccatg	agaccaaatg	gttttatatg	gaaccaacaa	agtgggagct	3840
aaaactgcac	agtggtcatt	ctttggcctc	tccttggctt	tatgacttaa	accaactaca	3900
acttccctat	agcttctaag	cagtttcatc	agcattactt	gggaaaacgt	gttgcaagtc	3960
aaccagtcac	taggatattt	ctacccatgc	aacggaagaa	aaaccatta	ctccagaaga	4020
gtatatctaa	gtaactaaaa	tggaggcgaga	aaatgtttta	aggattttct	tcaaagaata	4080
agccacagca	atggttttgt	agaaaactcc	tgtgcttttg	agcaaggact	tttgccctct	4140
agaaagcaac	tgaggccagg	tgcggtggct	cacgcctgta	atcccagcac	tttgggaggc	4200
cgaggtgagc	ggatcacctg	aggtcaggag	ttttgagacc	agcctggcca	acatggtaaa	4260
atcccgctc	tactaaaatt	ataaaaatta	gccgggcatg	atggtgggca	cctgtaatcc	4320
cagcttaattg	ggaggctagc	gcaggagaat	cacttgaacc	caggaggcag	aggttgcaat	4380
gagccaagat	tgcacactgc	actccagcct	gggtgactag	caaaactcca	tctcaaaaaa	4440
aaaaaaaaagg	ggcgcccttt	taaaagaacc	ctgggggggc	ccaaatttac	gggggggtgc	4500
cgaggacatg	gtttttccct	tatggggagc	catttaaaac	cttggccctg	gccccttttt	4560
taaaatgtaa	tagaggggaa	aaccaccaac	ttggtaattt	ttgaaaggaa	cctttatttt	4620
gggggggtaa	cttaatggga	gaacaaacct	ag			4652

<210> 6005

<211> 3156



**SECRET**

<400>	6006						
gtactc	ctctgctgtt	cctttgaact	tggttcagta	ggaagaagtg	atatcctccc		60
ccatct	gctttgggga	gcttgcaaaa	actgtccagc	aaaatgaaaa	gactcacgtg		120
tcac	tgtctctttc	tttctgaagt	atcaggcttc	gaaatcccca	taaatggact		180
gaattt	gtagactatg	aagatcttgt	ggaactggcc	ccaggcaaat	ttcaattggg		240
gagaac	cggagatatc	agagaagcct	tccaggagaa	tcggaagaaa	tgatggaaga		300
gatcaa	gtaactcttt	atagctataa	agtccagtct	actattactt	ctcggatggc		360
cccatg	atccagagca	aagtggtgaa	caattccccc	cagcctcaga	atgtcgtgtt		420
gttcag	atccccaaag	gagcattcat	ttccaacttc	tccatgactg	tggaaggcaa		480
cttagg	agctctatta	aggagaaaaac	tgtgggccga	gctctttatg	cacaggccag		540
aaaggc	aagacggctg	gcttggtgag	gagcagcgct	cttgatatgg	aaaacttcag		600
gaagta	aatgtcctcc	caggagcaaa	ggtgcagttc	gaacttcact	accaggaggt		660
ggagg	aagctgggct	cctatgagca	caggatctat	ctgcaacctg	gacggctggc		720
acttta	gaggtagatg	tgtgggttat	cgaaccacag	ggactgagat	ttcttcattg		780
acaca	tttgaaggcc	atttcgatgg	tgttcgggtc	atttctgaag	ggacaacaga		840
gcagct	ctccttcaag	cccacggtag	cacagcagag	aatatgccct	agctgccggg		900
gcggt	agatggggaa	ctgggtggtc	tgtatgacgt	gaaaagagaa	gagaaggctg		960
ctgga	ggtgtttaat	ggatattttg	tccacttctt	tgctcctgac	aacctggacc		1020
cccaa	aaacatcctc	tttgtcatcg	atgtgagtgg	ctccatgtgg	ggagttaaaa		1080
caaac	tgtggaagca	atgaagacca	tattggatga	cctcagagca	gaagaccatt		1140
gtgat	tgatttcaac	cagaacattc	gaacttggag	aaatgattta	atttcagcta		1200
acaca	ggttgagat	gccaaagagt	atattgagaa	aatccagccc	agtggaggca		1260
atcaa	cgaagcactc	ctacgggcaa	tcttcatttt	gaatgaagcc	aataacttgg		1320
gttaga	ccccaaactcc	gtctcgctga	tcattttggt	ttctgatgga	gatccaacag		1380
ggaact	aaaactgtca	aaaattcaga	aaaacgttaa	ggagaacatc	caagacaata		1440
ctgtgt	cagtttgggc	atgggatttg	atgtggacta	tgattttttg	aagagactgt		1500
gaaaa	ccatggaatt	gcacaagga	tttatggaaa	ccaggacacg	tcttcccagc		1560
aaatt	ctacaaccag	gtctccactc	cattgtctcg	gaatgttcag	ttcaactatc		1620
acatc	agtcacggac	gtcactcaaa	acaatttcca	taactacttt	qgaqgctcaq		1680

```

agattgtggt ggcaggaaaa tttgaccctg ctaaattgga tcaaatagag agcgttatca 1740
cggcgacttc ggctaacacg cagttagtct tggagaccct ggcccagatg gacgacttgc 1800
aggattttct atcgaaagac aagcatgcag atcccgatth caccaggaaa ctgtgggcct 1860
atctaaccat caaccaactg ctgactgaac gaagcctggc tcctacagct gccgccaaga 1920
gaagaattac aagatcgatc ctgcagatgt ctctagacca ccacattgtg actccgctga 1980
cctcgctggt gatcgagaac gaggctgggg atgagcgcag gctggcggat gccccaccgc 2040
aggatccctc ctgctgctca ggggccctgt attacggcag caaagtgggt ccagattcca 2100
ccccgtcttg ggccaatcct tcaccaacgc ccgatgatctc catgctggca caaggatctc 2160
aggtgctaga gtccacgcca cccccacatg tgatgagagt tgaaaatgac ccacatttca 2220
tcattttatc accaaaaagc caaaaagaaca tttgtttcaa tattgactca gaacctggaa 2280
aaatcctcaa cctggtttct gaccagaat caggaattgt agtcaacggt cagcttgttg 2340
gtgccaagaa gcccaacaat ggaaaactaa gcacctattt tggaactg ggattttatt 2400
tccaaagtga agacataaaa atagaaatca gcactgagac catcacctg agccatgggt 2460
ctagcacatt ctcttgtcc tgggtccgaca cggctcaagt cacgaatcag aggggtcaga 2520
tctcagtga gaaagaaaaa gtggttaacta tcacctgga taaagagatg tccttttctg 2580
ttttacttca tcgtgtttgg aagaagcatc cgtcaatgt tgactttctg ggaatctaca 2640
taccctctac aaacaagtgc tcacctaaag cccacggact aataggccag ttcattgcagg 2700
aaccaaagat acacatcttc aatgagagac caggaaagga ccctgagaag ccagaggcca 2760
gcatggaagt gaaggggcag aagctgatca tcaccagggg cttacagaaa gactacagaa 2820
cggatctagt gtttggaacg gacgttacct gctggtttgt gcacaacagt ggaaaaggat 2880
tcattgacgg gcattacaag gattacttgc tgcctcagct ctacagcttt ctcaaacggc 2940
cttaaagggt tatagtttgg gaaattatat atattaatat acatctttcc cctgtcactt 3000
ttgcagatat tcttcggttt gaataattaa aatgaaccag atatcagggt ggttaattaa 3060
aatgaaacaa gataacaggg tggtttataa agccttgtaa acccccctaa aaaaataaac 3120
cattttacaa atgaaaaaaa aaa 3143

```

```

<210> 6007
<211> 1622
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1381)...(849)
<223> similar to gi4335943 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

```

```

<400> 6007
tttttttttt ttctggtttt cttttttatt taatcaaagg acctggtgaa taaacataaa 60
tacagcacia ttacttcagg atcattcttc atattgtata cacacaaacc catgaacata 120
atctgaaaga aacctgtaag acaagcaatg aaatggcata cagctttttc cttccctctg 180
ctcaaaaaaa aagtttaaac acacaaactt acaatctcat caggcacaca ctctcttgt 240
gacaaatgat tccagacat aaatagtggg tgccaaagaa acttatatgc ttaacatatg 300
aataaccttt gttaatgaaa aaacaggagg cagcccataa tggattaaga tacattcagt 360
tactggataa ctaggttgtg ccctaaaggg cattttatcc aaaaggagaa atcgtggctg 420
gcagagaaaa gcgatata ccttacaca tgagaaaata aactggcaag attaatggca 480
tgcatgttta atactgggaa aatcacagcc ctccaaaatt tctgcacggt ttgttataaa 540
agccctctgc actcaactaa aattaaaatg atcttaaaag gataatactt gtaaagttta 600
agtctcctca gccacagaaa ttgcaatgga aataaatgtt cagagtccat tttcaaaaca 660
aaacaaaaac gaaaaatcta ttcttccgat gacatgcaag atacactgct ctacattccc 720

```



```

aattgttcta ttttccttta attttctttc ttcttgtcct tcattttctaa ttacctgaac 1020
atgggtatgat ttactgcatc ttcagatata cacatataac atcaaaaantn aggccaatat 1080
a 1081

```

```

<210> 6009
<211> 1630
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (274)...(1333)
<223> similar to gi311833 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 6009
gtctaaacac ttctttccct gaggactgga agacattaga ataagctcca gacaattcaa 60
acattgagat tcctgggaac taccagatag tagcatcagt tcaccaagaa atgaagctgg 120
tgaggcagtg aaaatccagg gcctagaaag ctgggaatgc catgacgtgg gcacattgaa 180
agacaagagg caggcatgat cagccttgaa ctttaggaag atcccaggaa gctgatggaa 240
gacaagatgt ggagtgaatg tgaagggtcca gaaatgtcct tgggtgtgtct gacagacttt 300
caggccccatg cgcgagagca gctgtctaag tcaactcggg attttattga aggtggagca 360
gatgacagca tcacgcggga tgacaacatt gcagcattta aaagaattcg cctccgtccg 420
cggtacctga gagatgtgtc tgagggtggac accagaacca caatccaagg ggaggagatc 480
agtgtccccta tttgtatcgc acccacaggg ttccactgcc ttgtctggcc tgatggggaa 540
atgagcacag caagagctgc ccaagcggct tggatatctgc tacatcacca gcacatttgc 600
cagctgtagc cttgaagaca ttgtcattgc agctcccgaa ggctccgat ggttccaact 660
ctatgtgcat ccagacctgc agctgaacaa acagttgatc cagagggtag aatccctagg 720
tttcaaagct ttggttaataa ctttggatac acctgtatgt ggcaacaggc gacatgacat 780
tcgaaaccag ttgaggagga acttaacact aacagatctt caatcaccta aaaagggaaa 840
tgcaatacct tatttccaga tgactcctat cagcacttct ctctgctgga atgatctctc 900
ctgggtttcag agcataactc gattgcccac catcctgaaa gggattttga caaaagagga 960
tgacagagtta gctgtgaagc acaatgtcca gggatatcatt gtttccaacc atggtgggag 1020
gcagcttgat gaggttcttg cttcaattga tgctttgaca gaagtgggtg ctgctgtaaa 1080
ggggaaaatt gaagtctacc tggatggcgg ggtccgaact ggcaatgatg tgctgaaggc 1140
tctggccctt ggagctaagt gcatttttct tggagacgca atcctatggg cccttgccctc 1200
caagggtgaa catggtgtta aggaagtttt gaacattttg acaaatgagt tccacacttc 1260
catggcccct tacaggctgc cggtcgggtcg ctgagatcaa tcgaaacttg gtccagtttt 1320
ccaggctgta agaaaaaagg gccaaataacc agactgctga ggttgccac agaaggatcc 1380
ccaaattcca gcaccagtgt gtgatgctgt ccttcctgga cccattctg tccggaggct 1440
catggcccac atttcccaca tttctaatac caccaccct gtgcttcagg ccctccaaac 1500
ccctgtgttc cccaaatgtt ccatgccctt ctttgtatca ctgactatta tatgttgctc 1560
tcttgccata atcttcctct gaagtaaaag atctcaaaag gacagatcat taatgactgg 1620
aaaaaaaaa 1630

```

```

<210> 6010

```

<211> 369  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <221> misc\_feature  
 <222> (44)...(355)  
 <223> similar to gi4877550 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 6010  
 agtccactgg catcttcatg accatagaga aggctggggc tgacttaatg ggggagccaa 60  
 aagggtcatc atctctaccc cctctgctga tgcccccata ttcataatgg gcatgatccc 120  
 tgagaagtct gaaaacagcc tcaagatcat cagcaatgcc ttctgtacca ccaactgctt 180  
 aatcccccg gccaagcccat ccatgacaac tttggcattg tggaaggact tgtgaccaca 240  
 atccatgctg ccactcctgc ccagaagact cgatggcctc tgtgggaaac tgtggcatat 300  
 gtctgtgggg ctctccagaa catcatccct gcatctactg gtgttgccaa ggctgtgggc 360  
 aaggccatc 369

<210> 6011  
 <211> 3340  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <221> misc\_feature  
 <222> (21)...(2213)  
 <223> similar to gi3043738 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 6011  
 ttccgtcccc gagcatcacg ctgggagaag acttcgccgc tcggggccgc agcctgttgg 60  
 gcaaggcgag catcatggcc tcggattgct agccagctct gaaccaggca gagggccgaa 120  
 accccaccct ggagcgctac ctgggagccc tccgtgaggc caagaatgac agcgagcagt 180  
 ttgcagccct gctgctagtg accaaggcag tcaaagcagg tgacatagat gccaaaactc 240  
 ggcggcggat ctctgatgct gtcggcttca ccttcccaa tcgtctcctg accaccaagg 300  
 aggcgcggga tggctgccct gaccatgttc tgcgggcttt ggggtgtggc ctgctggcct 360  
 gcttctgcag tgacctgaa ctggccgccc atccccaagt cctgaacaag attccattc 420  
 ttagcacctt cctcacagcc cggggggacc cggacgaatg ctgcccgccg ctccatgatt 480  
 gatgacacct accagtgcct gacggctgta gcaggcacac ccagagggcc tcggcacctc 540  
 attgctggtg gcaccgtgtc tggcctatgc caggcattcc tggggcacgg gtatggcttt 600  
 gaccaggccc tggcactcct ggtggggctg ctggctgctg ccgagacaca gtgctggaag 660  
 gaggcggagc ccgacctgct ggccgtgttg cggggcctca gtgaggattt ccagaaagct 720  
 gaggatgcca gcaagtttga gctctgccag ctgctgcccc tctttttgcc cccgacaacc 780  
 gtgccccctg aatgctaccg ggatctgcag gccgggctgg cacgcctcct ggggaagcaag 840  
 ctgagctcct ggcagcgcaa ccctgcactg aagctggcag cccgcctggc acacgcctgc 900  
 ggctccgact ggatcccggc gggcagctcc gggagcaagt tcctggccct gctggtgaat 960

ctggcgtgcg	tggaagtgcg	gctggcactg	gaggagacgg	gcacggaggt	gaaagaggat	1020
gtggtgaccg	cctgctatgc	cctcatggag	ttggggatcc	aggaatgcac	tcgctgtgag	1080
cagtcactgc	ttaaggagcc	acagaagggtg	cagctcgtga	gcgtcatgaa	ggaggccata	1140
ggggctgtta	tccactacct	gctgcagggtg	gggtcagaga	agcagaagga	gccctttgtg	1200
tttgccctcg	tgcggtacct	gggtgcctgg	ctggccgagg	agacctcatc	cttgcgtaag	1260
gaggtgtgcc	agctgctgcc	cttcctcgtc	cgctatgcca	agaccctcta	cgaggaggcc	1320
gaggaggcca	atgacctttc	ccagcagggtg	gccaacctgg	ccatctcccc	caccacccca	1380
ggggccacct	ggccaggaga	cgctctccgg	ctcctcctgc	ctggctgggtg	ccacctgacc	1440
gttgaagatg	ggccccggga	gatcctgatc	aaggaagggg	ccccctcgct	tctgtgcaag	1500
tatttcctgc	agcagtggga	actcacatcc	cctggccacg	acacctcggt	gctgcctgac	1560
agcgtggaga	ttggcctgca	gacctgctgc	cacatcttcc	tcaacctcgt	ggtcaccgca	1620
ccggggctga	tcaagcgtga	cgctgcttc	acatctctaa	tgaacaccct	catgacgtcg	1680
ctaccagcac	tagtgagca	acagggagg	ctgcttctgg	ctgctaattg	ggccaccctg	1740
gggctcctca	tggccccggt	ccttagcacc	tctccagctc	ttcagggaac	accagcatcc	1800
cgagggttct	tcgcagctgc	catcctcttc	ctatcacagt	cccacgtggc	gcgggccacc	1860
ccgggctcag	accaggcagt	gctagccctg	tcccctgagt	atgaggggcat	ctggggccgac	1920
ctgcaggagc	tctggttct	gggcatgcag	gccttcaccg	gctgtgtgcc	tctgctgccc	1980
tggctggccc	ccgctgccct	gcgctccgc	tggccgcagg	agctgctcca	gctgctaggc	2040
agtgtcagcc	ccaactctgt	caagcccag	atggtggccg	cctatcaggg	tgtcctggtg	2100
gagctggcgc	gggccaaccg	gctgtgccgg	gaggccatga	ggctgcaggc	gggcgaggag	2160
acggccagcc	actaccgcat	ggctgccttg	gagcagtgcc	tgtcagagcc	ctgaggggtg	2220
tccaccgggg	acagaccag	gggcgggcag	agagggagg	agggaggagg	catcttccct	2280
gaagccccc	atctggcccc	ccccctcccc	gacttcctcc	ccaaaacacc	ccagctttct	2340
ggcttttctg	agggcaagg	catggtgccc	acccctcaag	tgtaagggaac	tgcgttccgc	2400
ccctcaggcc	cccatggggg	cagggatcgg	cttggaatc	aacgtggttg	tccccgccag	2460
gccggggaag	gttgaggcag	cccccaggga	ggggggcact	aggtgtcatt	gtgcccgatg	2520
tctggctccc	ctgcaggagg	gaggtccag	ggtaagacag	ggctggcagg	agcagactgc	2580
ctcagcccat	gtgccctgcc	ggccaggggc	tgggtccccc	tcggctgtgg	tgcctcctct	2640
ggccccccag	gtccacgtcc	tttaaattgg	ccctttggct	cttgcccttg	gctcccttgg	2700
gcagacagca	ggcttaggcc	attgatatcg	cagttcttcc	tatcagcttc	agtgaccag	2760
ggtctgaact	gcctccatcc	tagggcaacc	tggggcagac	aggcctggtg	gggggtgggg	2820
aaacctcctt	ccacctgagc	ttgcttgaag	ggaccagag	tctttggggc	cagatcttta	2880
aacctttgtg	tcgtgttgca	gcagagtgc	gatgggggtt	gggggggttat	ttattttgcc	2940
tgtccttata	cctgcttgga	cacctgagca	tctgattcct	gtccccctgg	tgccatctgg	3000
cctggctgga	gccagggaaca	ggagggacac	ttccccagaa	tccgcatgtt	tccccagtga	3060
ttacactcca	ctgccaccgt	ggtgcctggc	tttaactccc	acccctgcta	tgaactcctct	3120
ctgcagagac	gcgactggcg	gctccagcag	ggactacctt	tcttataaac	ccagggggac	3180
cacacacaca	cacacacaca	cacacacaca	cacacacaca	cacacacaca	cacactcttg	3240
atcccttgct	tccctcccc	agtgcgttgt	gagatcgcca	agttcaaagc	tgtgcacatg	3300
tggacactca	ataaatgttg	cattggtgaa	aaaaaaaaaa			3340

<210> 6012

<211> 1310

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (79)...(951)

<223> similar to gi443919 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters



&lt;400&gt; 6012

```

gttaaaaagg cggtctgggcg gagccgcggg cctccgacgg cgggaggaca gcgctgcgag    60
gaggcgcccg ggacagtcac ggagcgccgc ctgggagtga gggcctgggt gaaggagaac    120
cggggctcct tccagccccc ggtctgcaac aagctcatgc accaggagca gctcaaagtc    180
atgttcgtcg gaggccccaa caccaggaag gactatcaca tcgaagaggg tgaagaggta    240
ttttaccagc tggaggggaga catggttctc cgagtcctgg agcaaggga acaccgggat    300
gtggtcattc ggcagggaga gatattcctc ctgcctgcca gggtgcccca ctaccacag    360
aggtttgcca acaccgtggg gctggtggtt gagcgaaggc ggctggagac cgagctagat    420
gggctcaggt actatgtggg cgacaccatg gacgttctgt ttgagaagtg gttctactgc    480
aaggacctcg gcacgcagtt ggcccccatc atccaggagt tcttcagctc tgagcagtac    540
agaacaggaa agcccatccc tgaccagctg ctcaaggagc caccattccc tctgagcaca    600
cgatccatca tggagcccat gtccctggat gcctggctgg acagccacca cagggagctg    660
caggcaggca caccactcag cctgtttggg gacacctatg agaccaggt gatcgctat    720
gggcaaggca gcagcgaagg cctgagacag aatgtggacg tgtggctgtg gcagctggag    780
ggctcctcgg tggtgacaat ggggggacgg cgctgagcc tgggcccctg gatggacagc    840
ctcctggtgc taagctggg accttcgtat ggctgggga gcgaacacaa ggctctgtgg    900
cctgtctgtg gaccccagga ccctgcctgc aaaaaaagcc cctggggtga accctcttgc    960
catggcctga aagcagccac aggtgtgcca agcaccctcg aagtgccatc cctgccaaac   1020
aactctccca gccccacta cctctctgtg tactgccgct gtgtcccca cagacctgca   1080
cattgttgtc acccaccctc ctgcccttct cagcccagat gccatgcccc tgggcgggca   1140
gcagctcccc atcttctctg gcagactcag cccactgcct tgccagtctt gccagggtgg   1200
ctacccccgg ccccgctcct gcccatcct ctgtccctgc agactcagtg cagcacttcc   1260
acaccaagaa ggccctcaat aaaggcttcc tgaggaacgc aaaaaaaaaa   1310

```

&lt;210&gt; 6013

&lt;211&gt; 428

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (20)...(228)

<223> similar to gi3093371 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

&lt;400&gt; 6013

```

ggacagatgc ctcatgttga agcaggggtc tcaacctggc tcacctccag caacattgag    60
cctccagcac ctctgtctta ccaagccccg tgccagtcct gcccagaacc cccaggagcc    120
catgagccct ctgactctcc acaccatacc ccagtcctat ctctccaga gcactcggcc    180
gcctgtcctg cccagccac gtgctgtccg ccccagaaa gctctatgtc ataaatctta    240
actcagatgg gagagggagc ctacaggtca catagccctg ggcccaaacc ccagctcctc    300
caccgaagta ctgatggtca ggttcttcag cctcagtttc tgtagctgta agatggggag    360
aatgatctct gggaggggta aatgtgcggc aaaatggcca agagttgggc tctgggacta    420
ggaccatg

```

<210> 6014  
 <211> 376  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <221> misc\_feature  
 <222> (339)...(163)  
 <223> similar to gil054887 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 6014  
 gtgtaagtca gaggtaagcc ttttactc tgccctcttg gtacctgagt ccttgtctgg 60  
 catccaggaa ggataaggtc acacatggac ttgagggtgg tgaatgcaga ggttttattg 120  
 agtgatggaa gtggctctca gcaggatgat ggggaagctg gaaaggggat ggagtgggaa 180  
 gatgatcgtc gcctggaatt cggccatcct gtgaccgatc tcctctccag ccatccccag 240  
 ccaactcct ctcaatgttc agatgctcct tctcttctcc tctgccatgc cattctgctg 300  
 ctcttctggt ctgctcttct gcttgtggag cctggggggt ggggtttcaa tgggtacagg 360  
 ataagggggc gtggtg 376

<210> 6015  
 <211> 2372  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <221> misc\_feature  
 <222> (238)...(1624)  
 <223> similar to gi3133134 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 6015  
 attcggggca gcaacgcgca gaaggtggtg ggcgccctcg gctcgggggg cgcgggcccc 60  
 caaccgatac cggcggggccc ggggggcgtc ccggcgctgg cggccgcgct cctgggcgcc 120  
 tgcgagcccc gctgcgcgcg gccctgtccc ctgccgcgcg tcagccgctg tcggggcgcg 180  
 gggtcgcggg ggtcgcgggg cgggcggggg gcggcggggt ccggggacgc cgccgcgcgc 240  
 gccgagtggg tccggaaggg cagcttcacg cacaaccccg cgcacggctg gctacacccc 300  
 gacgccaggg tcctggggcc cggggtctcc tacgtcgtgc ggtacatggg ctgcatcgag 360  
 gttctccgct ctatgcgctc cctggacttt aacacgcgca cgcaggtgac cagggaagcc 420  
 atcaaccggc tccatgaggc cgtgcctggc gtccggggat cctggaagaa aaaggcccc 480  
 aacaaggccc tggcgtccgt cctgggcaag agcaaccttc gctttgccgg catgagcatc 540  
 tccatccaca tctccactga tggcctcagc ctctccgtgc ctgccacgcg ccaggtcac 600  
 gccaacacc acatgccgtc catctccttc gcgtcaggcg gagacacgga catgacggat 660  
 tacgtggcct acgtcgccaa ggaccccatc aaccagagag cctgccacat cctggagtgc 720  
 tgtgagggcc tgggcacaga gcatcatcag caccgtgggc caagctttcg agctgcgctt 780  
 caagcagtag ctgcacagcc cgcccaaggt ggcgctgccc ccagaaaggc tggcagggcc 840

```

ggaggagtcg gcctggggggg acgaggagga ctctttggag cacaattact acaacagcat 900
cccggggaag gagccgcccgc tgggcgggct agtggactcc aggtctggccc tgacacagcc 960
ctgcgccctc acggccctcg accagggccc atctccttct ctaagagatg cctgcagcct 1020
gccatgggac gtgggggtcca ccggtacagc tccaccgggg gacggctacg tgcaggcgga 1080
cgccccggggc cccccggacc acgaggagca cctgtatgtc aacacccagg gtctggacgc 1140
ccccgagccg gaggacagcc ccaaaaagga tctgtttgac atgcgaccct ttgaggatgc 1200
cctgaagtgt catgagtgtc cagtggcggc aggcgtgaca gcagccccctc ttcctttgga 1260
ggaccagtgg cccagccccc ctacccgccc ggccccctgt gccccacagg aggaacagct 1320
gcgtcaggag ccctggtacc acggccggat gagccgcccg gcggcagaga ggatgcttcg 1380
agctgacggg gacttccttg tgcgagacag cgtcaccaac cccgggcagt atgtcctcac 1440
cggcatgcac gccgggcagc ccaagcacct gctgctcgtg gaccccgagg gcgtggtacg 1500
gacgaaggac gtgctgtttg agagcatcag ccacctgacg gaccaccacc tgcagaacgg 1560
gcagcccatc gtggccgccc agagtgcgt gcacctgcgt ggctggtctc cacgggagcc 1620
ctgagccagg tgaccgttct cagccctggc tccctgcctgt tctcagcccc ggctcctgcc 1680
tgtcatggcc ttggggctct cagccctcct cctggatcct ggtcaggccg aaccaccgct 1740
gcctctcctt cctccgcatg agcctctggc atggtccttc ctccagctgg ccccgggctg 1800
ggcagagcct cctcctgccc gggccccctg ccacccccctc ctttgccctg agtgagggtg 1860
ttcataccaa agacggaacc atttcgcctt taaagaaaat atatccagaa gcagccgctg 1920
cctcggagcc ctggcccggt ggtccccctc tcgctggctt ggttcggtct aacgccccgg 1980
agagtgcagc ctcccaggac cctggggagg aggcggattc cgggcctggc tgggcttcct 2040
cttccacact gaggactggg tgcacagtgt tctttgaggg gggacgctta aggtgctttg 2100
gggttctcag gccaggatac atgctggcgc tgaagtgcag gcagccttga ggtcacctgg 2160
gatctcgggg tagccaggct gtcccaagac agtgatatac gaggcagtcg tgaggcccct 2220
actccacctg ggagcagggg aaggacgtgg ttgcctggcc tgggctgcgc ccagcagctt 2280
cccccaatc ctgccctccc agctgtcgac ccagatggga tgttcggatc ggtttgtaat 2340
taaacctggg aatggccaca agaaaaaaaa aa 2372

```

```

<210> 6016
<211> 2667
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (20)...(983)
<223> similar to gi31336 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 6016
gggggggggac agtgctggga tgactatgga gacccaaatg tctcagaatg tatgtcccag 60
aaacctgtgg ctgcttcaac cattgacagt tttgctgctg ctggcttctg cagacagtca 120
agctgcagct cccccaagg ctgtgctgaa acttgagccc ccgtggatca acgtgctcca 180
gggaggactc tgtgactctg acatgccagg gggctccgca gcctggagga gcgactccat 240
tcagtggttc cacaatgggg aatctcattc ccaccacac gcagcccagc ttacaggttc 300
aaggccaaca acaattgaca gcggggagta cacgtgccag actggccaga ccagccttaa 360
gcgacctgtg gcatctgact gtgctttccg aatggctggg gctccagacc cctcacctgg 420
agttccagga gggagaaacc atcatgctga ggtgccacag cctggaggga caagccctct 480
ggtcaagggt acattcttcc agaatggaaa atcccagaaa ttctccattt tggatccac 540
cttctccatc ccacaagcaa accacagtca cagtggatgat taccactgca caggaaacat 600
aggctacacg ctgtttctcat ccaagcctgt gaccatcact gtccaagtgc ccagcatggg 660

```

cagctcttca	ccaatgggga	tcattgtggc	tgtggtcatt	gcgactgctg	tagcagccat	720
tgttgctgct	gtagtggcct	tgatctactg	caggaaaaag	cggatttcag	ccaattccac	780
tgatcctgtg	aaggctgccc	aatttgagcc	acctggacgt	caaatgattg	ccatcagaaa	840
gagacaactt	gaagaaaacca	acaatgacta	tgaaaacagct	gacggcggct	acatgactct	900
gaaccccagg	gcacctactg	acgatgataa	aaacatctac	ctgactcttc	ctcccaacga	960
ccatgtcaac	agtaataact	aaagagtaac	gttatgccat	gtggtcatac	tctcagcttg	1020
ctgagtggat	gacaaaaaga	ggggaattgt	taaaaggaaaa	tttaaattgga	gactggaaaa	1080
atcctgagca	aacaaaacca	cctggccctt	agaaatagct	ttaactttgc	ttaaactaca	1140
aacacaagca	aaacttcacg	gggtcatact	acatacaagc	ataagcaaaa	cttaacttgg	1200
atcattttctg	gtaaatgctt	atgttagaaa	taagacaacc	ccagccaatc	acaagcagcc	1260
tactaacata	taatttagtg	actagggact	ttctaagaag	atacctaccc	ccaaaaaaca	1320
attatgtaat	tgaaaaccac	ccgattgcct	ttatttttgt	tccacatttt	cccaataaat	1380
acttgccgtg	gacattttgc	cactggaaca	ctaaacttca	tgaattgcgc	ctcagatttt	1440
tcctttaaca	tctttttttt	ttgacagagt	ctcaatctgt	taccagggct	ggagtgcagt	1500
ggtgctatct	tggtcactg	caaaccgcgc	tcccagggtt	aagcgattct	catgcctcag	1560
cctcccagta	gctgggatta	gaggcatgtg	ccatcatacc	cagctaattt	ttgtattttt	1620
tatttttttt	tttttagtaga	gacagggttt	cgcaatgttg	gccaggccga	tctcgaactt	1680
ctggcctcta	gcgatctgcc	cgccctcgcc	tcccaaagt	ctgggatgac	cagcatcagc	1740
cccaatgtcc	agcctcttta	acatcttctt	tcctatgccc	tctctgtgga	tccctactgc	1800
tggtttctgc	cttctccatg	ctgagaacaa	aatcacctat	tactgctta	tgcagtcgga	1860
agctccagaa	gaacaaagag	cccaattacc	agaaccacat	taagtctcca	ttgttttgcc	1920
ttgggatttg	agaagagaat	tagagaggtg	aggatctggt	atttcctgga	ctaaattccc	1980
cttgggggaag	acgaagggat	gctgcagttc	caaaagagaa	ggactcttcc	agagtcattc	2040
acctgagtc	caaagctccc	tgctcctgaa	gccacagaca	atatgggtccc	aaatgactga	2100
ctgcaccttc	tgtgcctcag	ccgttcttga	catcaagaat	cttctgttcc	acatccacac	2160
agccaataca	attagtcaaa	ccactgttat	taacagatgt	agcaacatga	gaaacgctta	2220
tgttacaggt	tacatgagag	caatcatgta	agtctatatg	acttcagaaa	tgttaaaata	2280
gactaacctc	taacaacaaa	ttaaaagtga	ttgtttcaag	gtgatgcaat	tattgatgac	2340
ctatttttatt	tttctataat	gatcatatat	tacctttgta	ataaaaacatt	ataaccaaaa	2400
cattctgttt	accttttcag	ggctgtattg	attgggggtg	agactgaact	atccgggggtc	2460
tgtttctttt	cggtgatgaa	agtcttgaga	aggtagtaat	ggataagatg	tgagggagag	2520
gagagagggga	gatttgaggt	gtaggggtgag	tgccctctt	cttagaactg	aatactcttc	2580
ttctaataa	cttgatttct	tgtttccatg	tcttcttccc	tttcttctta	tagcaaataa	2640
agcattcact	ttgttttgga	aaaaaaa				2667

<210> 6017

<211> 1989

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1376)...(691)

<223> similar to gi4929649 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 6017

cctttttttt	ttttttaaca	tcaaatttgg	tttatttcaa	gtttgtaaca	aaatatattc	60
taggcaactt	ttcagacatt	gttttatagc	atcataaacc	ccataccact	gctgtcattc	120
caaaagctgc	caggacactg	gaagttatca	agtgggtccag	cccaggaata	caggtagaat	180

tcacatgata	ggtgataaga	aagcaatgtc	tgtggggccac	tctgatccct	ctttttacct	240
tggtaggttaa	ggtatgatct	taagactata	tgtactgagt	cctatttagtc	agtgaaaaag	300
attaaagtga	caagttatgt	gctttgttcc	tatagctttg	aagttcatcc	acctcaccag	360
caattggaag	gtctcagggtc	ttgcagggtc	tacccatgtg	taatcctggg	gcagggtgtga	420
atcttgattt	ttttaagaga	ttactcaagg	gagagaacaa	cagaaacgga	agccatgagt	480
actgccccaa	ttctagatta	ggttagagggt	tagaataaat	taactaatgg	ggagtggtag	540
tggttagcag	tcagaccag	gagacagatt	tgtgtggttt	cctgatctca	gcaagggtcta	600
aggaaaaaag	cctccccgcc	ccccacctt	aaatagtggc	atcaagtcac	gaaggccagt	660
gaaacgtggt	tagtctcgta	aaatgacttc	cagttcttcc	aggtccttct	ggatagccaa	720
atcctccttc	gtgacatctg	gcagctccag	ggccaacttc	atccaccatc	tagcttcaga	780
gtttttccct	agttctctgt	agcacttgga	aatatatacc	cttctgtctt	tggaaaaatcc	840
tggctgtagt	tcttcagcct	ttaggaagct	ctggagggca	tcttccacag	tggcactgag	900
agggtcttca	agcaaggctg	tagcagtttt	tttttctagc	cagctcaggt	gagagacctg	960
atagcaccac	ctgccaagaa	gaaagtgagc	catgggggtt	tctggctgga	gagcaatggc	1020
tttgtccaca	tgtctcttga	agctaaagcc	actctggatg	cgctctgga	tgctctcatg	1080
ctcagccagc	tgaccacaaa	gcaccgcata	ccacagggtg	caagtcagca	ctcttcatcc	1140
cccttctcca	gagcagcctc	tgttcttctt	tttccatcta	gggcatatga	cttcttctcg	1200
ctcacctcct	cagtgaagtc	acacatgtca	ctgtaggctc	gggccaggcg	ccagagaaag	1260
tcttgccggc	ttccatacac	cagcttggtg	ttgagcagca	gctggaagcc	ctcccgcttg	1320
ccttgctcat	cacccctgtg	cagctcgctg	gcctgctgca	ggagggggcag	cacatcctcc	1380
aagcctgagg	aacctccagc	ctccagggca	ctggaggcac	ctgaagctgc	ctcttcctcc	1440
aagtcaagag	aatcctttct	ccccatcttc	acagtctcac	agctcacttc	atcttccccg	1500
tctcactttt	ctttgtcaga	gtcccgcctca	ttgtcagact	ccgcattggc	tgttgtgtaa	1560
cccccttcac	tctcagcatc	tgtgaacgtg	gctcccagag	aggccgtgaa	gtagacagag	1620
ctggagccag	tggagtcact	cctctcccgg	acaaacggaa	accttcgccg	ccgagccact	1680
ctctggttct	cttccatgtg	gcatctggaa	agcaggcccc	atcccgaagg	gtaccattag	1740
gtcccatcca	gcttgtcttt	ctgtccacca	tgggggtgct	cttactactg	ctcctcatta	1800
aagggtctaaa	agcagagaaa	atcctaagtc	tctaaccctc	aggagggcaa	gcagggcagc	1860
ttcctggggc	cagcccgcac	agacagacta	ggttaggcaa	acagagcgct	tcagctgcta	1920
caacagatca	accatgagag	tccagaagca	gcaaggagca	tgtgcaaggc	gaggtaccaa	1980
atgtacagc						1989

<210> 6018

<211> 3133

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (2503)...(531)

<223> similar to gi3777596 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 6018

tttttttttt	ttgccaagat	ccaaagaaaa	aattttatatt	acaatagaga	attttatattg	60
aaacatgcat	ttcttgtttt	tttaaaaaca	aatcagcaaa	tgcagatcaa	gtttacactc	120
cttaaggcca	agagtcccc	tatgcacgct	gtacatgttc	catattaaat	cccaaaagct	180
gactcacc	tggggaactt	gtgttacaaa	ggggcaaggc	ccaaggtcag	caatgggtgtc	240
ttttatattg	aggaatcaga	caatctccct	ggatacagga	actctgaggg	tcaacttgct	300
atgaattata	ctagggggaa	atgcaaacc	aataggccag	gaaattctgg	ataggtctcc	360

cttaggtacc	tggcatacaa	tcaaatacaat	tttatttagg	aaagggaaat	acagtaggtg	420
catacgaaaa	agtgaataca	gaacctggtc	catggaactg	gaggaacagc	agtgtgccga	480
cggtcatatt	gcacgcaaca	gttaagtcca	aaacattcgg	ttcagagtta	gcttttcccc	540
attttggcaa	tcagttcgtc	acaaatcctg	gtgagttcct	ctatttcttt	attcttctgc	600
tccagcgccc	tttccagggc	gtccaactcg	gcagctgctc	ctttccgcaa	ggctggcctg	660
gtgggcggtc	tgtcctcgct	gggccttgcc	tcgaacctga	gcaatcttca	gcattggccc	720
tgtccagttt	ctcctccagc	gtgcaccttc	agggcctggt	acctctgctc	ctccttcttc	780
acccgggaca	ggtactcctg	cgcacatctc	ttcaaacacct	cttcattctt	gcggaagcct	840
tctaggacct	ccttcatctt	ctcatatctt	ctgaagaggt	cggccagaga	ctttctccac	900
ggagttcagg	tcggccaggg	gcttgctcct	tctccagaac	cagctgctgc	accgtctggt	960
ggggagactg	acttctctct	ctgttcgtcc	tctatcatct	gagcgatggt	cttctcatac	1020
tcggccacta	ttttcctcat	ttccatcact	tcccgcctgc	tttcttcata	tttatctttc	1080
cattctgaga	cctctctctc	cttggttatg	atctctgctc	tggcgatctg	gagggcagag	1140
tccaggtcgg	gctgctggaa	cagaaggcct	gcaggtttct	ccacctcagc	ggtcccgatg	1200
cgggagtaca	aggctgtttt	ggagatggag	acgtctgttg	ggtgagcagc	ctctctctgt	1260
agtttctgag	cgaatagtgg	ggggttcttt	tctgctaagt	cgggctccag	atagtcaagt	1320
gcaccacaga	gagagacggg	gtgagctagc	ctgctgagga	gggctgcagc	agaggcaaaag	1380
gagccctcgg	gagctgtaat	ttcaatcgct	tctgaagggg	tgcccaagcc	catggcctcc	1440
agctccttct	gggaggattt	ctctggcacc	tgcaagtgtg	actcttggtt	aggggccagt	1500
cctcgtggga	caggatgctg	gtttttcgca	gcagtgttca	caagggtctc	agtctcttca	1560
aaacttgacc	ctgaacacgg	cgtcggggac	tctgacatgc	ggacgggaga	tgacttgaca	1620
gggctctcct	gagaagtgtc	aaacataagg	tacaaggcct	gcttcttcgg	ggcatcgtcg	1680
tcctgaggta	aggaggagcc	aattttctcc	atataattcaa	tttcatagga	gtttctgtaa	1740
tccaactcct	cagtgggtga	actgaatttg	gtctcgttta	caaagggtga	caggtccgag	1800
ggctgcgggt	agtcctgttt	gtcagcctct	aggtccactg	tcatgcacgt	ccacttctgg	1860
ttggtgaccg	ccagcttttc	ctcatctgtg	gcgtggacca	ccgcagagat	cactggtggt	1920
gtttctggtg	tagcagctgg	ggtggggtcc	tgggaagggtg	gatcagagag	aggagaccgt	1980
tttggcgact	ttttcacccct	aaatgtgtca	gtcttttaggg	gcgtcttctt	cttcttgggc	2040
ggcttggtta	gcccaccccc	gtccactcca	ttggcttcca	tagcactggc	tgggatctca	2100
aaggaggctg	gggatttaga	aggtgagctg	ggggtcttag	aggatgtctt	aaaggggtca	2160
acggactcat	cacaggtgtc	tgggtcaaag	ttgtatgatt	gttggggcag	tttgggagac	2220
tcctgcattt	ttgaggtgga	agaaaaagg	ttaaaattgg	ggcatcccca	cttgtcaata	2280
tcaaagggtg	aagtaccttt	agcaatgggg	atgtcattgg	gttcagcagg	ggtctggga	2340
ggtgaggcag	gagtgttgtc	aagtttctcg	ggtgtctttt	tcatcttttg	cctcctcagg	2400
ggcatttttg	caactggctt	tttgccctatc	tttttggtag	gaggggggtt	ttcctgctgg	2460
ttgtcccaac	tactcttgtc	ctcagaatag	tcaaactcca	gccttacgga	gtgccctttg	2520
gctggagagt	cctcttgccc	cccgtatccc	gatgggggtta	cctcccctgc	ctccggggcc	2580
gtggtaaag	gcagcgtttt	cctcccgaca	gggggtgagt	tctgcactct	gccacctcca	2640
gaagccgggg	ggacaacccc	ttctacactc	tctgagtcca	gagggcaggc	agctttgggc	2700
cccgcagcgg	gctcaagggg	cgtctcctcc	aataaggctg	ggctaggacc	ttccgtcttg	2760
gcagattccg	ttttcgtctc	agatgctaga	ttctccccac	tggggacaag	gctctcttca	2820
tctggtcctt	gttgctgctc	cttcaactgg	ggggtctctg	tgggtttctt	ggtggtctgt	2880
ttctttttta	aggaaggcgg	cctcgggttt	ttagttcgct	taaggggtact	agaagcactg	2940
ctggaacccg	tgtatatatg	atctggggca	agggccacgg	cctcgggatt	gcctgaggaa	3000
gaagcccat	caaagtcact	ggcttgacgg	ctgagcgacc	gggacagtgt	agacttagag	3060
atggggacgg	aatccgtgga	cttccctccg	gtgttcaata	agccctcctg	attcttagcg	3120
tctgaggcac	gaa					3133

<210> 6019  
 <211> 350  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (92)...(338)  
 <223> similar to gil160379 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 6019  
 agaagatcaa tgaactaat gattagttat tggaaacggt taccataggc aaaacttttg 60  
 ttagactgac caagaaaaaa gactgaagat acaaattatc aaaatcgga atgaaagagg 120  
 agacatcgct cctatccctg cagaaattaa aaggattata aggaataact atgaacaact 180  
 ttatcccatt aaattagaca acttagagga aatgggcaaa atcattgaaa gacataacta 240  
 ctaaaactca agaagaaata gagaatctga atagagttat actaaataaa gcaattgaat 300  
 tagtaactaa aaatcattct acaaagctca taccagatg actactctca 350

<210> 6020  
 <211> 1098  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1003)...(424)  
 <223> similar to gil1911548 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 6020  
 tttaactccc cctcttctta agagaatttt aatgaagctg agataagagg catatttact 60  
 tgcagtttgc cccattgtta ccctggattc ctccgagcgc acaagcttac cgcaaggctg 120  
 actgtggatg tacttgggaa tctctcgctg gctgtcctca atgctcacgt tcttagcata 180  
 ccttcaccct agagaaaggc cccacatcg ggcgccagat gaaggggtgg cctgcccctc 240  
 cacacctgtg ggtatttcta gtcagggtgg atgagagact gagaaaagaa agaagacaca 300  
 gagacaaagt atagagaaac aacagtgggc ccaggggacc ggcaactcagc acaccaagga 360  
 cctgcaccgg caccggcctc tgagtccct cagtttttat tgactattat tttcattatt 420  
 tcagcaaaaa ggaatgtagt aggacagcag ggtgataata aggagaagg caacaaaaaa 480  
 aacatgtgag caaaagaatc tatatcataa ttaagttcaa gggaaggtag tatgcctgga 540  
 cgtgcacgta ggccagattt atgtttctct ccacccaaac atctcagtgg agtaaagaat 600  
 aacaaggcag cactactgcc aacatgtctc gcctcccgc acagggcagc ttttctccca 660  
 tctcagagtt gaacaaatgt acgatcgggt ttacacaga gacattcagt tcccaggggc 720  
 aagcaggaga cagtggcctt cctccatctc aactgcaaga ggctttcctc tttactaat 780  
 ccacctcagc acagaccctt tatgggtgtc aggtggggg accatcagg ctttctcatc 840  
 ccacgaggcc atatttcaga caatcacatg gggagaaacc ttggacaata cgccgctttc 900  
 aagggcaggg ctccctgcgg ctttccacgg tgcatgtgtc ccctggttta ttgagactag 960  
 agaatggtga tgacttttac caagtatact gcttgcaaat attttggtta caaggcacgt 1020  
 cctgcacagc cctacatccc ttaaaccctg atttcataca cacatgtttt tgtgagctcc 1080  
 aggttggggc aaagtggg 1098

<210> 6021  
 <211> 1344  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <221> misc\_feature  
 <222> (502)...(653)  
 <223> similar to gi5817857 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 6021  
 cccacgcgtc cgtggggagg aagtctccac ccctgggagg ctgaagccag gcatagcgcg 60  
 ctggctagga ctccagtacc gtgaagggag gcagtgagag caaacatctg tgcctcattc 120  
 ctgatctcaa ggggaaagca agaacaacac ctgtgaaggg aaggaggggtg gatcggcctg 180  
 actggccctg ggaagcacag aggagcctac tgggaccagg gaagagactg acaagagaag 240  
 ggaggcctgt ccctgcctgc ttctgtctca agaagattgt tatcacttcc tctggtgaaa 300  
 tctgccttc ctgtcccccac ggcccctcag ctgatgccac cttactctgg agaggatggg 360  
 cagagcctcc tatggaggga gccctgtggg tcaccaaagc tccagtgacc acccccgggc 420  
 aaagacctgc agatcccctg ttagagacgg gcccaggact ttgtgcgggg tgcccaactgt 480  
 tgctctgagc cttcacttcc tcagggaggc ttctcaggga tctcgaacct gcggaaggag 540  
 gaccagtctg tgtacttctg ccaagtccag ctggacatac agatcaggga ggctgtcgtg 600  
 gcagtcctac aaggggaccc acctcaccat caccagggt gagtccagct gccctggcac 660  
 caaggaaacct tctgggttca gccataggct cagggtgtgtg gaggggaatga cctgaggggc 720  
 tgtatgaggg aacaacctcc tggggctccc ctatgcctga gttcctgcaa ctcagaagtt 780  
 gagggccaga gatccaggta gagggggctc cagtcctggg actgccctgc aagtcattgt 840  
 gcctgggaca gggtttctcc aagctctgtc ccctcctgtg tagggcaggg aggtcagagg 900  
 ggaccctgca gatccagtct catgtctggg ggtcaagggg tggcctcgag agggaccagt 960  
 ctctgtgtag gggaccgtca gcccctcac cccttgagca agactgtggg ccctgcacca 1020  
 agggagcagg cctgggggtg gaagaggcca gctgggctgt ggtgggtgcct ggggactgca 1080  
 tgggagcccc tgccaggag ggagagggac agaggacaag ctgggggctc tgggtgcttg 1140  
 gctgggggct gagcgcctgt gacctccact ggcttccctc ttctcctctc tgaggactga 1200  
 atctgggggtg cagcagagca cagactcagg ccgcctttc ctctccctga aagagcctgc 1260  
 gctggccttg gacagagaaa gggatgagaa gtgaggctga gtgcggtggg gtctgcaggg 1320  
 atccagggtg gaggggcca gcc 1344

<210> 6022  
 <211> 2075  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(2076)  
 <223> n = a,t,c or g

<220>



<221> misc\_feature  
 <222> (510)...(1869)  
 <223> similar to gi4929553 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 6022

gggtctcaga	tgaaaagatg	tacatggtga	atgataggtc	caggactttt	ccccctctcc	60
tgacttgtgg	tccagccccct	cccgaccca	ccttatctcc	cacattcctc	cttggggaat	120
aacatggagg	acagatcttt	tcctgtggcc	tgaggtggcc	tggggacagc	aaacagactt	180
cccatctgcc	tttgtccttt	cctgcttcca	caggtgggcc	aaaccagccc	tcgtcactcc	240
ccacaccacg	tgggttaggtg	ggtagacccc	acagccctgt	gtgaggagct	tctgcttcca	300
ctggagaacc	cgtgtcaggg	cagggcccg	ttgtgtctca	caggcctcca	cgcctgtggg	360
gatctgagtg	ttgccttgc	gagacacttc	tcctgtgtgc	ctgaggtggg	ggccctggct	420
cagtgggctg	ctgtacatg	aagctgagtg	accctggcgg	ctacccactg	agtcagtggg	480
tggctgggct	gcctggctat	gaactgccct	accgttccat	cttggatgcc	tacatcatcg	540
aatttttcac	agacaacct	tgggacacac	tccctgtctc	atggcaggaa	gcattggatg	600
gactgaaacc	accacagctg	gccacaatgc	tgctggggat	gcctggggaa	ggggaggctg	660
tcaggtagag	gtcagtgtgg	ccactcacc	tgctggccct	gaagtccacg	gcgtgtgccc	720
tggcctttac	ccggatgcct	ggctttcaga	ccccctcaga	attcctggag	aacccagccc	780
agagctccc	actaacagct	ccattccgga	aacatgtcag	gccaagaag	cagcatgaga	840
tccggaggct	gggagagttg	gtgaagaagc	tgagtgattt	cacaggctgc	acccaggttg	900
tagacgtggg	ctcaggccag	ggccatctct	cccgttcat	ggctcttggc	ctggggttga	960
tggatgaag	catcgaagg	gatcagagac	tggatggag	agcccagcgc	ctggaccagg	1020
agcttctgca	ggctctggag	aaagaggaga	agaggaaacc	gcaggtgggc	caaaccagcc	1080
ctcgtcactc	cccacaccac	gtggttaggt	gggtagacc	cacagccctg	tgtgaggagc	1140
ttctgcttcc	actggagaac	ccgtgtcagg	gcagggcccg	cttgcctgctc	acaggcctcc	1200
acgcctgtgg	ggatctgagt	gttgccctgc	tgagacactt	ctcctgctgt	cctgaggtgg	1260
tggccctggc	ctcagtgggc	tgctgctaca	tgaagctgag	tgaccctggc	ggctacccac	1320
tgagtcagt	ggtggctggg	ctgcctggct	atgaactgcc	ctaccggcct	cgggaggggg	1380
cctgccatgc	cctggaggaa	tatgctgagc	ggctacagaa	agctggccct	ggccttcgaa	1440
ctcactgcta	ccgtgcagca	ctggagacag	tcacccgacg	ggcccgccc	gagctccgtc	1500
ggccaggcgt	gcagggtatc	cccagggtcc	acgagctcaa	gattgaagaa	tatgtgcagc	1560
gggggctaca	gcgagtgggg	ctagatcccc	agctgccact	gaatctggct	ggccttcagg	1620
cccacctggc	ccaggagaac	cgtgtggtgg	ccttcttcag	cctggctcta	ctgcttgccc	1680
cactggtgga	gacgcttatt	ctactggacc	ggctgctgta	ccttcaggaa	caggcccttt	1740
ctcccagggt	tccatgctga	gctcctgccc	atcttcagtc	ctgaactctc	tcccagaaac	1800
ctggttctgg	tggccacca	gatgcccctg	ggtcaggctc	ttctgttct	ggagactgaa	1860
gacagctgat	gcagcctgag	gagacatctc	agaccccatc	atctgaaagt	gcccagagag	1920
cacagtggca	gagtacatct	catccagaga	aacagcatcc	tgcatcctcc	agagtcctgg	1980
ttccttcagt	ttcatccct	ttctctcctt	ccatggatta	tgtaatacat	tgtaaagttt	2040
taattaatta	aaaattggat	atctgaaaaa	aaaaa			2075

<210> 6023  
 <211> 6309  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (74)...(5427)

<223> similar to gi5911999 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 6023

gattgtttga	atttgaaaac	ggtaacatcg	cagtgtctgct	cgcggggtctg	gctagtcagg	60
cgaagtttgc	agaatggaat	ctaattttta	tcaagaggga	gtacctcgac	catcttatgt	120
tttttagtgc	gacccaattg	caaggccttc	agaaataaat	ttcgatggca	ttaagcttga	180
tctgtctcat	gaattttcct	tagttgtctc	aaatactgag	gcaaacagtt	tcgaatctaa	240
agattatctc	caggtttgtc	ttcgaataag	accatttaca	cagtcagaaa	aagaacttga	300
gtctgagggc	tgtgtgcata	ttctggattc	acagactgtt	gtgctgaaa	agcctcaatg	360
catccttggt	cggtttaagt	aaaaaagctc	aggggcagat	gggcacagaa	attcagtttt	420
ttcccagggt	ttttgggccc	agcaactaca	cagaaggaat	tctttcaggg	ttgcattatg	480
caccccagta	aaagacctct	tgaagggaca	gagtcgtctg	atttttactt	acgggctaac	540
caattcagga	aaaacatata	cattttcaagg	gacagaagaa	aataattcgca	ttctgcctcg	600
aactttgaat	gtattatttg	atagtcttca	agaaagactg	tatacaaaga	tgaaccttaa	660
accacataga	tccagagaa	acttaagggt	atcatcagaa	caagagaaa	aagaaattgc	720
tagcaaaagt	gcattgcttc	ggcaaattaa	agaggttact	gtgcataatg	atagtgatga	780
tactctttat	ggaagtttaa	ctaactcttt	gaatatctca	gagtttgaag	aatccataaa	840
agattatgaa	caagccaact	tgaatatggc	taatagtata	aaattttctg	tgtgggtttc	900
tttctttgaa	attttacaatg	aatatatatta	tgacttattt	gttcctgtat	catctaaatt	960
ccaaaagaga	aagatgctgc	gcctttccca	agacgtaaag	ggctattctt	ttataaaaga	1020
tctacaatgg	attcaagtat	ctgattccaa	agaagcctat	agacttttaa	aactaggaat	1080
aaagcaccag	agtgttgctc	tcacaaaatt	gaataatgct	tccagtagaa	gtcacagcat	1140
attcactggt	aaaatattac	agattgaaga	ttctgaaatg	tctcgtgtaa	ttcgagtcag	1200
tgaattatct	ttatgtgatc	ttgctggttc	agaacgaact	atgaagacac	agaatgaagg	1260
tgaagggtta	agagagactg	ggaatatcaa	cacttcttta	ttgactctgg	gaaagtgtat	1320
taacgtcttg	aagaatagtg	aaaagtcaaa	gtttcaacag	catgtgcctt	tccgggaaag	1380
taaaactgact	cactattttc	aagttttttt	aatggtaaa	ggaaaatttg	tatgattgtc	1440
aatatcagcc	aatgttattt	agcctatgat	gaaacactca	atgtattgaa	gttctccgcc	1500
attgcacaaa	aagtttgtgt	cccagacact	ttaaattcct	ctcaagagaa	attatttgga	1560
cctgtcaaat	cttctcaaga	tgtatcacta	gacagtaatt	caaacagtaa	aatattaaat	1620
gtaaaaagag	ccaccatttc	atgggaaaat	agtctagaag	atttgatgga	agacgaggat	1680
ttgggtgagg	agctagaaaa	cgctgaagaa	actgaagatt	aggggaaact	aaacttcttg	1740
atgaagatct	agataaaaca	ttagaggaaa	ataaggcttt	cattagccac	gaggagaaaa	1800
gaaaactggt	ggacttaata	gaagacttga	aaaaaaaaact	gataaatgaa	aaaaaggaaa	1860
aattaacctt	ggaattttaa	attcgagaag	aagttacaca	ggagtttact	cagtattggg	1920
ctcaacggga	agctgacttt	aaggagactc	tgcttcaaga	acgagagata	ttagaagaaa	1980
atgctgaacg	tcgtttggct	atcttcaagg	atttggttgg	taaatgtgac	actcgagaag	2040
aagcagcgaa	agacatttgt	gccacaaaag	ttgaaactga	agaagctact	gcttggttag	2100
aactaaagtt	taatcaaatt	aaagctgaat	tagctaaaac	caaaggagaa	ttaatcaaaa	2160
ccaaagaaga	gttaaaaaag	agagaaaatg	aatcagattc	attgattcaa	gagcttgaga	2220
catctaataa	gaaaataatt	acacagaatc	aaagaattaa	agaattgata	aatataattg	2280
atcaaaaaga	agatactatc	aacgaatttc	agaacctaaa	gtctcatatg	gaaaacacat	2340
ttaaatgcaa	tgacaaggct	gatacatctt	ctttaataat	aaacaataaa	ttgatttgta	2400
atgaaacagt	tgaagtacct	aaggacagca	aatctaaaat	ctgttcagaa	agaaaaagag	2460
taaatgaaaa	tgaacttcag	caagatgaac	caccagcaaa	gaaaggtct	atccatgta	2520
gttcagctat	cactgaagac	caaaagaaaa	gtgaagaagt	gcgaccgaac	attgcagaaa	2580
ttgaagacat	cagagtttta	caagaaaata	atgaaggact	gagagcattt	ttactcacta	2640
ttgagaatga	acttaaaaa	gaaaagggaag	aaaaagcaga	attaaataaa	cagattgttc	2700
attttcagca	ggaactttct	ctttctgaaa	aaaagaattt	aactttaagt	aaagagggtcc	2760
aacaaattca	gtcaaatatt	gatattgcaa	ttgctgaatt	acatgtgcag	aaaagtaaaa	2820
atcaagaaca	ggaggaaaag	atcatgaaat	tgtcaaatga	gatagaaact	gctacaagaa	2880
gcattacaaa	taatgtttca	caaataaaat	taatgcacac	gaaaatagac	gaactacgta	2940
ctcttgattc	agttttctcag	atttcaaaca	tagattttgct	caatctcagg	gatctgtcaa	3000

atggttctga	ggaggataat	ttgccaaata	cacagttaga	ccttttaggt	aatgattatt	3060
tggtaagtaa	gcaagttaaa	gaatatcgaa	ttcaagaacc	caatagggaa	aattctttcc	3120
actctagtat	tgaagctatt	tgggaagaat	gtaaagagat	tgtgaaggcc	tcttccaaaa	3180
aaagtcacat	gattgaggaa	ctggaacaac	aaattgaaaa	attgcaggca	gaagtaaaag	3240
gctataagga	tgaaaaacaat	agactaaagg	agaaggagca	taaaaaccaa	gatgacctac	3300
taaaagaaaa	agaaactctt	atacagcagc	tgaagaaga	attgcaagaa	aaaaatgtta	3360
ctcttgatgt	tcaaatacag	catgtagttg	aaggaaagag	agcgctttca	gaacttacac	3420
aaggtgttac	ttgctataag	gcaaaaataa	aggaacttga	aacaatttta	gagactcaga	3480
aagttgaacg	tagtcattca	gccaaagttag	aacaagacat	tttggaaaag	gaatctatca	3540
tcttaaagct	agaaagaaat	ttgaaggaat	ttcaagaaca	tcttcaggat	tctgtcaaaa	3600
acaccaaaga	tttaaattga	aaggaaactca	agctgaaaga	agaaatcaca	cagttaacaa	3660
ataatttgca	agatatgaag	catttacttc	aattaaaaga	agaagaagaa	gaaaccaaca	3720
ggcaagaaac	agaaaaattg	aaagaggaac	tctctgcaag	ctctgctcgt	accagaatc	3780
ctgaacgcag	atcttcagag	gaagggaagaa	gattatgctg	acctgaaaga	gaaactgact	3840
gatgccaaaa	agcagattaa	gcaagtacag	aaagagggtat	ctgtaatgcg	tgatgaggat	3900
aaattactga	ggattaaaaat	taatgaactg	gagaaaaaga	aaaaccagtg	ttctcaggaa	3960
ttagatatga	agcagcgga	ccattcagca	actcaaggag	cagttaatta	atcagaaagt	4020
ggaagaagct	atacaacagt	atgagagagc	atgcaaagat	ctaaatgtta	aagagaaaat	4080
aattgaagac	atgcgaatga	cactagaaga	acaggaacaa	actcaggtag	aacaggatca	4140
agtgccttga	ggctaaattg	gaggaagttg	aaaggctggc	cacagaattg	gacagatgga	4200
gggtaaaatg	caatgatttg	gaaacccaaa	acaatcaaag	gtcaaataaa	gaacatgaga	4260
acaacacaga	tgtgcttggg	aagctcacta	atcttcaaga	tgagttacag	gagtctgaac	4320
agaaatataa	tgctgataga	aagaaatggt	tagaagaaaa	aatgatgctt	atcactcaag	4380
cgaaagaagc	agagaatata	cgaaataaag	agatgaaaaa	atatgctgag	gacagggagc	4440
gttttttttaa	gcaacagaat	gaaatggaaa	tactgacagc	ccagctgaca	gagaaagata	4500
gtgaccttca	aaagtggcga	gaagaacgag	atcaactggg	tgcagcttta	gaaatacagc	4560
taaaagcact	gatatccagt	aatgtacaga	aagataatga	aattgaacaa	ctaaaaagga	4620
tcatatcaga	gacttctaaa	atagaaacac	aatcatgga	tatcaagccc	aaacgtatta	4680
gttcagcaga	tcttgacaaa	cttcaaactg	aacctctatc	gacaagtttt	gaaattttcca	4740
gaaataaaaat	agagatgga	tctgtagtcc	ttgactcttg	tgaagtgtca	acagaaaatg	4800
atcaaagcac	tcgattttcca	aaacctgagt	tagagattca	atttacacct	ttacagccaa	4860
acaaaatggc	agtgaaacac	cctggttgta	ccacaccagt	gacagttaag	attcccaagg	4920
ctcggaagag	gaagagtaat	gaaatggagg	aggacttggt	gaaatgtgaa	aataagaaga	4980
atgctacacc	cagaactaat	ttgaaatttc	ctatttcaga	tgatagaaat	tcttctgtca	5040
aaaaggaaca	aaaggttgcc	atacgtccat	catctaagaa	aacatattct	ttacggagtc	5100
aggcatccat	aattggtgta	aacctggcca	ctaagaaaaa	agaaggaaca	ctacagaaat	5160
ttggagactt	cttacaacat	tctccctcaa	ttcttcaatc	aaaagcaaag	aagataattg	5220
aaacaatgag	ctcttcaaag	ctctcaaattg	tagaagcaag	taaagaaaat	gtgtctcaac	5280
caaaacgagc	caaacggaaa	ttatacacia	gtgaaatttc	atctcctatt	gatatatcag	5340
gccaaagtgat	tttaatggac	cagaaaatga	aggagagtga	tcaccagatt	atcaaacgac	5400
gacttcgaac	aaaaacagcc	aaataaatca	cttatggaaa	tgtttaatat	aaattttata	5460
gtcatagtca	ttggaacttg	catcctgtat	tgtaaatata	aatgtatata	ttatgcatta	5520
aatcactctg	catatagatt	gctgttttat	acatagtata	attttaattc	aataaatgag	5580
tcaaaatttg	tatatTTTTA	taaggctttt	ttataatagc	ttctttcaaa	ctgtattttcc	5640
ctattatctc	acacattgga	tcagtgaaga	tcctaggaaa	gaggctgtta	ttctcattta	5700
ttttgctata	caggatgtaa	taggtcaggt	atttggttta	cttatattta	acaatgtctt	5760
atgaattttt	tttactttat	ctgttatata	actgatttta	catatctggt	tggtattatag	5820
ctaggatttg	gagaataagt	gtgtacagat	cacaaaacat	gtatatacat	tatttagaaa	5880
agatctcaag	tctttaatta	gaatgtctca	cttattttgt	aaacattttg	tgggtacata	5940
ggacatgtat	atattttacg	ggtatgtgag	atgttttgac	acaggcatgc	aatgtgaaat	6000
acctgtatca	tggagaatga	ggtatccatc	ccctcaagca	tttttccttt	gaattacaga	6060
taatccaatt	acattcttta	gatcatttaa	aaatatacaa	gtaagttatt	attgattata	6120
gtcactctat	tgtgctatca	gatattaaat	cattcttttt	atcttatttg	tttttgtaac	6180
cattaaccat	ccccacctcc	ccctgcaacc	gtcagtaccc	ttaccagcca	ctggtaacca	6240
ttcttctact	ctgtatgccc	atgaggtcaa	ttgattttat	tttttagatcc	cataaattcg	6300
acgcggccg						6309

<210> 6024  
 <211> 3888  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <221> misc\_feature  
 <222> (3725)...(1430)  
 <223> similar to gi5327054 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 6024  
 tttttttttt ttaattttca catttttattt ccaactattg cagtaacaag atgccggtag 60  
 tattctgcac tgaaagtggc aaccttttaa agtaacaag gttgcaaatt ttagtattcc 120  
 aacaatatatt tgacctatgg agattttgat aggaagaat tattacaatc agttttataa 180  
 tactacagac ttatgtttcc tcccatatct aggaataaaa atatccaccc tcccctcaat 240  
 gattaatcat gtacacatct ttactcttta caagcactat ccttccaagt tgtactatga 300  
 ggggaaatcc ctctcactc ctgggttttt ctacagtata cagaaatagc agtcacttta 360  
 gcagtaatgt acaatactat tcaatcttta gttgaaaaat aaagaagtgg gattgcccta 420  
 tttatgtcct gatagtaaaa agacacacac cattgaaaca taaaacgagt caacaaactt 480  
 ctatttttat tgacaggagt ccaaaatgaa tacaataaaa agcttccttt gcatgttata 540  
 cttactttcc ttaaaaagct cctgatagag tcaagtagac tgaaaactac ggatgtagtt 600  
 cagcttttag agtgaacctt ttttaaaaaa ggtttaataa cataagccac cagtatcaga 660  
 aaacatacag tcccactatc acttttagag ctagaactta tcaaaagaat tagatccctg 720  
 cattgatctg ctaagataga gggttagaaa ttgggtttaag ccattaaaag ccatttttat 780  
 aatctgtctg ataactctgg ggcaattaag gaaaaggga attccaaaac gtaggccctc 840  
 tattatcctg tgggaatgtg agtagaatgc caactttatg accaagaata agtaaaatta 900  
 aaagtttaaa atctatgcag tggagtctgt tgtatcactg caaaatggtc cacaacagag 960  
 cttatccagg ggattatcca cttgagcgat gttacttaaa ccttggggcg atgttacctt 1020  
 aaacatatt tgtggtgttt gctaaaaact aaggctgaac aaggaaaagt cgctccattt 1080  
 acagactgtg tttccctgca tctttacttt tactgggacc atagactgat cagataatac 1140  
 atagcccaac acttctggac agttataata acaaaggatt tattatcatt tgcagatgaa 1200  
 ataaatgtac catcccctac ttgaaagggt tcaataagcc ttaacatttt tcaggttgta 1260  
 ccaaggcacc gccactgcct agttatatta tgcacccatt tctagagtaa aaaaactaca 1320  
 cctccctcaa catcagttct gtactgtttc tgggtttatg atacacttcc aaaacagcaa 1380  
 aaaattgcaa atatgtgcaa aactgtggt ccattcagga gtactgctta gtcacatct 1440  
 tcttcttctt cctcttcttc ctcaaagcta tcttcaaagc cctcactgtc ctctgtgtct 1500  
 tcatccccct ctattgtctg atcccactgt ggggtgatttt ctggcacagg cttagcctca 1560  
 tgaactttcca acttaaatgg ttaaatctga tccaaacca tataggagtc tgatctcaga 1620  
 aacacagtat actgataatt tccaggcttg cctggtgcag gaaacttcag ctctacctcc 1680  
 tctgtatctt tcagcgtaca cacatgatat ggcattggata ttaatgtctg ctcttctcta 1740  
 tctgcaatgt aaagccacca ccattcttgt ttttctcag gaaagtaaag gctatacaca 1800  
 ggatgtgtta tttttgattt gggtttccaa agagctctct cttttcgctg tatgctttgt 1860  
 tgtaattctt gccactctgc ttcacatctt ttgttttgtt tttcatcttg ctctctatca 1920  
 gagtctctgt cactaccatc atctttctca ctttggaat ctctattggg ttcttcttct 1980  
 tcagaatcac tgcccttctc tgaaacttct tcttcatctt cctttactgc agcttcattc 2040  
 ccaacgactc catttgctg cttttgtttc tgttgctttg actgtggtaa tagcccaggg 2100  
 gtaggttttt tttttaagg tttctttttt tttgatttag cagttttctt gggtccttta 2160  
 ctcttctgtt gccatcctcc ttttgtcctg ttcttgtag tttcaccctg cccatcttct 2220  
 gctggctgtt cctctgcagc acagatggac tgctcctttt caaatacttc agccattggt 2280

```

tgccttgtca acttaaccaa cactgtaact aaggatccta ctgtgatgtt gttgctatct 2340
tcatcatcta acacctgtga ttttatatcc atggtcacat atggaaaact cccaaggaca 2400
gccataacct cttcataatct ttcattctca aggaagtgc gtagagtgtg acgatctgat 2460
tcttttaaac tcaccaaata ctggatagtt ttaattttat acttcttatg attagaaacc 2520
cgtctaagat tgcctctctc aatatgaggg gagcctgcag aagggggaga ctttaaattg 2580
ctgaagtccc tgaacggggc atctgagaaa ggttcaatgc aggttttcta gggatgcca 2640
agttggagca cgaaactccc tttcttcacg gttccggggc attactaatt agttggcaga 2700
ttacattaac catttcttga agtagggcag gacacttttt ttagcatgaa ttgctgatct 2760
tcttcaaggg tctcaggaat tttcattcta gcaagatgag acagtaaaaag aactctggcc 2820
ttcaggctat atgggcaggt aagtggaggc tcattcttct ttaaattaat gctgccaat 2880
tctctgatta gctgtggtat tagaatatta tctcgttggg ctgcttgtgg catctttatt 2940
atactgagga tcaaattcag aagctccagc caaaaccatg ataagacgtt tcataatccat 3000
atttcggggt ttataaaca agtatgtata aatctgtgtt gtgcgtatta gaatctggtc 3060
tccactatag cgtattgagc gataccacca agagcccaca acaactggaa ggataaacat 3120
aaatgccaat ccatatacaa gtaaaaccag aattgaatct tctgggtcaa ctatccaagc 3180
tggcagggca attccaaagc ttgtggcctg aggccatct ggattttcaa attcttccca 3240
atttttcccg ggactcttca tccgttaaag gcagcataag cctttgctat cctcatgaac 3300
ataacctcat cacctccttt atctggatga tatttaagt acagcaaacg atattgtttt 3360
ttaatttctg ctactgtggc tccaggatcc aaatttaata cttcataagg attgtattct 3420
tggatttctc ggtctgtttt ggaaacttta tatgcaagga ataagaaca tgcccatcct 3480
gcaagcagaa ctattttctt tactgtagga ataataattg gctggggttt taataaccgt 3540
aaacgatacc acatacacct tccataact tttctgatat tctttaatcg aatttgctcg 3600
gcattctgat ctccggggcca gaggtagtag gtcgcccggg tcacgatgag cccacgaag 3660
gaggtgagga agtagaagaa ggtgttccca ctgtcatcgt actggaactg ctgcccggcc 3720
atggcacccc ctccctccgc tcgctcttct caccgcccgc gccacgacca cgctctgcac 3780
tcccgtccc aacgccccag cccgagtggc gtagcttggg cactgccgcc gccgcctctc 3840
ctccccgcc ccacgccact ctacgggaca cgccgcacga aatcgtcg 3888

```

```

<210> 6025
<211> 2373
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (201)...(1666)
<223> similar to gi498721 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 6025
ggccttgggg ctttgtgaga tagctagggg cgacttgtgt ggattctagt agaacggagc 60
tgacctatc cgaacaggcc cctgccctgc ttggatagag gcctccgaac aggagtaaag 120
aatggctgtt gaacatccac aaggcacctg caagactatg aatcaaagtt gagaccaaga 180
aattatttct gaaaaaggat atggaaaacc ttacaaaaca cagcattgag tgttcaagtt 240
tcagaggtga ttgggaatgt aaaaaccagt ttgagagaaa acagggatct caggaaggac 300
atttcagtga aatgatattt actcctgaag acatgccac tttcagtatc cagcatcaga 360
gaattcatac tgatgagaaa ctccctgaat gtaaggaatg tgggaaggat tttagttttg 420
tatcagtcct tgttcgacat cagcgaattc atactggtga gaacacctta tgaatgcaaa 480
gaatgtggca aggccttttg tagtggtgca aaccttgctt accatcaaag aattcatact 540
ggtgagaagc cttttgaatg taaagaatgt gggaaggcct ttggtagtgg ctcaaacctt 600

```

actcaccatc	agagaattca	tactggtgag	aaaccctatg	agtgtaagga	atgtgggaaa	660
gccttttagt	ttggatcagg	ccttattcga	catcacatca	ttcacagtgg	tgagaagcct	720
tatgagtgtg	aggaatgtgg	gaagtccttt	atTTTTgaat	cagcccttat	tcggcatcac	780
agaattcaca	caggtgagaa	accttatgaa	tgtatagatt	gtggtaaagc	ctttggcagt	840
ggttcaaacc	ttactcaaca	tcggcgggatt	catactggtg	agaaacccta	tgaatgcaaa	900
gcatgtggaa	tggccttttag	cagtgggttcg	gctcttactc	ggcatcagag	aattcatacc	960
ggtgagaaac	catatatatg	taatgaatgt	ggtaaggcct	ttagtttttg	atcagcccctt	1020
actcgacatc	aaagaattca	tactggtgag	aaaccttatg	tatgtaagga	atgtgggaaag	1080
gcttttaata	gtggctcaga	tctcactcag	catcagagaa	ttcacactgg	tgagaaaccc	1140
tatgagtgtg	aggagtgtga	gaaagccttt	agaagtgggt	caaaacttat	tcagcatcaa	1200
agaatgcata	ctggagagaa	accttatgaa	tgtaaaggaat	gtgggaagac	cttttagtagt	1260
ggttcagacc	ttactcaaca	tcacagaatt	catactggtg	agaaacccta	tgaatgtaag	1320
gaatgtggga	aggccttttg	tagtggctca	aaacttatcc	aacaccagct	aatccatact	1380
ggtgaaagac	cctatgaatg	taaagaatgt	ggaaagtcct	ttagtagtgg	gtcagctctt	1440
aatcggcacc	agagaataca	cactggtgag	aaaccctatg	aatgtaagga	gtgtgggaaag	1500
gctttttata	gtggctcaag	ccttactcag	catcagagaa	ttcatacagg	tgagaaactt	1560
tatgaatgta	agaactgtgg	gaaggcttat	gggagggatt	cagagtttca	gcaacataag	1620
aaaagtcata	atggtaaagaa	actctgcgaa	ttggaaacta	taaattgaaa	ttatgtgctg	1680
aaggaaggac	tctaaacata	tgacttaaga	aaattcatag	tggtgaaaat	ctctacaaat	1740
agaactaagg	tacaaatgcc	ttacttatgc	ttcacagggt	agtcagtcta	agaatattta	1800
tacaggaaaa	aaatcacccc	aaataaaaata	aatatTTgaa	gatccttatc	tatattcatt	1860
ccttcattac	ttttggaaaa	ttcttacttg	tgaatgttaa	aaatgaaaaa	aaaatcattt	1920
attataTTTT	gcctcaactt	taaacattgg	aaaactcatt	tctgggttaa	tcctactata	1980
ttttttcaat	ggtctTTTTT	ttttgtatta	tacaaaatta	ctgattcatt	gaaaaattat	2040
tttattttatt	gcaagcctaa	atttatcctt	tttttctttc	ctgattatcc	taacaccatt	2100
tattcaataa	ccttgtccat	tttcatatTT	tttttattga	ctattttgat	gtaagttaca	2160
tttttatttca	cataaagctt	ggatatcagg	tcagggtttt	tttgtttttg	tttttgtttt	2220
tgTTTTTTTT	agatggagtc	tactgtcac	caggctggag	tgccaggggg	caatctcggt	2280
tactgtcaac	ctccacctcc	cgagttcaag	tgatttttct	gcctcagctc	cccagtagct	2340
gggactacag	gcgcccgcga	ccacgcccag	ctt			2373

<210> 6026

<211> 851

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (65)...(435)

<223> similar to gil340174 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 6026

tttttttttt	ttgcagggtgc	atttgtttct	ttattttaaaa	aaatcatctg	ggggcatggt	60
ctgaggagga	caccctccc	atggcttttg	ggaggacgca	ggttccagga	gtcacagggc	120
agaaacacgc	ggggtgggtg	ggggcggtgg	cggagtgggg	aggggctgtg	ccccagcac	180
ctgggggttg	ctccacggc	accagggtgg	ctagggcaac	agtatgtaca	ggcgagcagt	240
gctcctggac	ccggtcgggg	ccggctgggg	ccccattctg	cggcagggga	gctctggggc	300
acaggggtctg	agtcccatct	tgggctgcag	ggaccgcgag	ggccgtccag	ggaggctgga	360
cagcgggggc	ctttatctgg	gcccatcagg	tggatgagaa	cggacactgc	aaaccgctca	420

09463725 "012100

ccacctgggc	cagggctagg	cctatccggc	aggggccgtc	cccacactga	atcctgcgtg	480
cgcagaactc	aagccggcat	ccaggcagtg	ggaacgcccc	gcaggctggg	cttgggtggc	540
ctcgggcacg	tgacaggtgg	ggcccgtgtc	ctgataaacg	gacaggaaca	aaaggaacgc	600
aaggtctggg	acccacggct	ctgggagcag	cgccaccacg	gctggctcct	ggcagagaaa	660
tgggaatcgc	aaatgcattg	caatgtgcag	tgaagagacg	cgagggacgc	ccgcggcgca	720
ccgccggcag	acgacgtggg	caggcgccct	gagctgcggg	tccgtggggc	ctggcccagg	780
ccggcacacg	cctgtcccta	gtcctgaggg	attgtctcca	cacggcctgg	ccactggcct	840
ggccacctcc	c					851

<210> 6027

<211> 5225

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (165)...(4295)

<223> similar to gi4884564 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 6027

tttcgtggga	gggaacgctc	caggtaaagc	gctgggggag	gaagcgacgc	cgaggagcta	60
cggtttcctc	cagaggtctc	cgcccctctg	cccctatatt	cccagagctc	gagtctgac	120
cgggccttgc	cgggcaccct	ggaaaggcgg	gggtgatagt	acagatggag	acgcaactgc	180
agagcatttt	cgaaagagtg	gtgaaaacgg	aagttataga	agaggctttt	cctggcatgt	240
ttatggatac	tcctgaagat	gagaaaacaa	aactaattag	ctgtttgggg	gccttcagac	300
agttttgggg	tggctcttct	caggagtctc	atgaacagtg	tatccagtg	attgttaagt	360
ttattcatgg	tcagcatagt	cctaaaagaa	tttcttttct	ttatgactgc	ttagcaatgg	420
cagttgagac	tggctctcct	ccaccacagg	tggtttgtga	atccctgata	aactctgaca	480
ctcttgagtg	ggaaagaaca	cagctttggg	ccttaacatt	taaactgggt	cggaaaataa	540
ttgggggagt	ggattacaag	ggtgttcgag	atctcttaaa	agtgattttg	gagaagattt	600
tgacaattcc	taatacagtg	agctctgctg	ttgtacagca	gcttctggca	gcaagagagg	660
ttatagcata	tatcttgga	agaaatgcct	gcttattacc	agcctatttt	gcagtcactg	720
agatcaggaa	actgtatcct	gaaggcaaac	ttccacactg	gttacttgga	aacctagtat	780
cagacgttgt	ggataccctc	aggccacacg	caaggataaa	ctccatttgt	ggtcgctgta	840
gtcttctgcc	agaagtaaat	aattcgggtg	ccatttgtaa	ttcatggaga	actggatcct	900
gctactcttc	gttttccttt	gaaaggccgt	tttgccaata	tgataagcga	tctgtttgaa	960
ccacagactg	ctttgttgag	gatatgtatt	ggagcagcct	tattccaggg	atatggtctg	1020
caatatgcta	ggtttaaata	agcagacctt	gaacattgct	cagcacaagc	agcgctgccc	1080
tgtgctggag	gaccagttgg	tggatctggt	tgtttatgcc	atggagcgat	ctgagaccga	1140
ggagaagt	gacgatgggg	gaacaagcca	actcctgtgg	cagcatctct	caagtcagct	1200
cattttcttt	gtgcttttcc	agtttgcaag	ttttccacat	atgggtgcttt	ctcttcatca	1260
gaagttagca	gggcgaggac	tgattaaagg	cagagatcat	cttatgtggg	ttctcctgca	1320
attcatttct	ggaagtattc	agaaaaatgc	actagctgat	tttctccctg	tgatgaagct	1380
cttcgacttg	ctatacccag	aaaaagaata	tatcccagtt	cctgatatta	acaaacccca	1440
gtcaacccat	gcctttgcaa	tgacctgtat	ttggattcat	ctcaatagaa	aagctcaaaa	1500
tgacaactcc	aagctacaga	ttccaatacc	tcattcccta	agacttcacc	atgagttcct	1560
gcagcagagt	ctaagaaata	aaagttttaca	gatgaatgac	tataagattg	ctctattgtg	1620
taatgcatac	tctacaaatt	cagaatgttt	tacattaccc	atgggagctc	tggtagaaac	1680
tatttatgga	aatggaatta	tgaggatacc	tctccctgga	acaaactgta	tggcttcagg	1740

atctattacc	cccttaccta	tgaacctcct	ggattcactg	acagttcatg	ccaaaatgag	1800
ccttattcac	agcattgcaa	ccaggggtgat	aaaacttgct	catgcaaagt	ccagtgtggc	1860
cttgggtcca	gccctagtgg	aaacttacag	tcgtttattg	gtctatatgg	aaatagagtc	1920
tttgggcatc	aaaggattta	tcagtcagct	tttgccaact	gttttcaa	cacatgcatg	1980
ggggatctta	cacacactcc	ttgagatggt	tagctaccgg	atgcatcata	ttcagcctca	2040
ttacagagtt	cagctcctga	gtcatcttca	tactttggct	gcagttgcac	aaacaaacca	2100
gaaccagctc	catctttgtg	tcgagagcac	tgctctcagg	cttataacag	cattaggtag	2160
ctcagaggta	caaccgcagt	ttacacgctt	ccttagtgat	cccaaaacag	tgctctcagc	2220
agaatctgaa	gaactgaacc	gagccttgat	attgaccttg	gctagagcaa	ctcatgtaac	2280
agattttttt	acaggctctg	attcaattca	gggaacttgg	tgtaaagaca	tacttcagac	2340
catcatgagt	ttcactcctc	ataattgggc	ttcacacacc	ctgagctggt	ttccaggccc	2400
actacaggca	ttcttcaa	aaaataatgt	gcctcaggaa	agccgtttta	atctgaaaaa	2460
aaatgtggag	gaggagtata	ggaagtggaa	gtcaatgagc	aacgaaaacg	acattattac	2520
ccacttctct	atgcagggct	cccctcctct	ctttctttgt	cttctctgga	aaatgctctt	2580
ggaaacagat	catattaatc	agattggcta	tagagtatta	gagagaattg	gagccagggc	2640
cttggtagcc	catgtgagga	catttgcaga	tttcctggta	tatgagtttt	ctacatcagc	2700
aggggggtcag	caactcaata	aatgcattga	aattctta	gacatggtat	ggaagtataa	2760
cattgtttaca	ctggacagat	taattctctg	cctggccatg	cgtagtcacg	aaggaaatga	2820
agcccagggt	tgttatttca	taattcagtt	gctgttactc	aaaccaaacg	attttagaaa	2880
tcgagtaagt	gactttgtga	aggaaaattc	cccagagcac	tggttacaga	atgactggca	2940
caccaagcac	atgaattatc	acaagaaata	tccagagaag	ttgtattttg	agggcctcgc	3000
ggaacagggtg	gatcctccct	gtacagatcc	agtctcccta	tctgcccata	tattttggga	3060
atgtgtgtct	tcgattcctt	ccagtatattg	atatagta	ccacagattt	ttagagttgc	3120
ttccgggtatc	caaatacactg	gagactctac	tggatcatct	aggaggctta	tataaatttc	3180
atgatcgctcc	agtgacttat	ctgtataaca	ctctgcacta	ttatgaaatg	cacctgagag	3240
accgcgcatt	tctcaaacga	aaactcgctcc	atgcgatcat	tggtctctctg	aaggataatc	3300
gaccgcaggg	ctggtgtcta	agtgcactt	acctgaaatg	cgctatgaat	gcacgagagg	3360
aaaatccttg	ggttccagat	gacacctact	attgcagatt	gattggcaga	ctagtcgata	3420
cgatggctgg	caaatacctc	ggtccctttc	caaactgtga	ctggagattc	aatgagtttc	3480
ccaaccagc	tgcccatgct	ctccatgtta	cttgtgtgga	gctcatggcc	ttggcagttt	3540
caggcaaaaga	agttgggaat	gcccttcta	atgttgtcct	aaaaagtcag	cctttagctg	3600
caagagagaa	cattacagca	tggtatgaatg	caattgggtt	gatcatcact	gccctaccag	3660
agccatattg	gattgttctt	catgatcgaa	ttgtgagtg	catcagcagc	cccagcttga	3720
cgtctgaaac	agagtgggtt	ggctatccat	tccgcctctt	tgatttccact	gcctgtcatc	3780
agtcctactc	tgagatgagt	tgtagctata	cgtagctct	tgacatgct	gtgtggcacc	3840
attctagcat	cggacaactt	tctctcattc	caaagtctt	tactgaagta	cttcttccta	3900
tagtgaagac	cgaattccag	ttgctttatg	tataccatct	tggtggacca	tttttacaaa	3960
gatttcagca	agagagaact	cgttgtatga	tagagattgg	tggtggcgtt	tatgacatgc	4020
tgctgaatgt	tgaccagtg	agcaccatt	taaattacat	ggatcccatc	tgtgacttcc	4080
tctatcacat	gaagtatatg	tttactgggtg	acagcgtgaa	agagcaagta	gagaagatta	4140
tctgtaactt	aaaaccagct	ttaaaacttc	gtcttcgatt	catcacacac	attagcaaga	4200
tgagagccagc	tgagtgctc	ccacaagcca	tgaacagtg	gtctccagca	cctcagtcta	4260
atcaggtgcc	cgtgtcttta	ccagtaactc	agtgaagcca	gactgtactg	tgagaaaagt	4320
agaaatatat	ccgtctttga	gagtggactc	aaacctttta	aatctgaatg	cgatcacact	4380
gtagtatat	agtagaagca	gtgatgat	tcagattgtt	ttattttgat	tcaaagtatg	4440
aatctgttg	cacctataa	ctccatctc	cctatctata	ttttgtctc	taagagatca	4500
agtaagatac	atgttggtta	tattcataac	aacttattag	agctatgtag	gaacatagag	4560
gtatctgtga	tcaaatgact	tgtcattggc	actttcagtc	tttctattc	tagccgttgt	4620
ttttgtttgt	attttttatt	attaatgaca	tttttagct	tcagataata	tattttaaag	4680
gcaccacaca	tgtaaaacag	ttattacaaa	tattttatac	ataaatctct	tggtagattt	4740
tcagaataat	agagatttat	atcaagaaaa	ggaatctaga	ttttgttgca	ttgtaggagc	4800
aaacaaggct	tcatattctt	tttaaaatga	cttgaaattt	tattataaat	ttccatagtt	4860
tctatcaagg	tcaactggca	gtttttattac	ctttgctatg	gacttgaact	tactgtataa	4920
aattagttgg	aagccatgta	agaaaataac	atctgaaaat	tcttgaactt	aaaatcatgc	4980
ttaaatgggt	gattctccaa	tttctttttt	taaaataaag	ttaattgctt	ttgcagggtg	5040
acactctcac	ctgacagatg	atgtaattct	tcaattttta	taatcttaaa	atttttaaat	5100
tttatatttg	taaatacagt	acacatttta	tttcttggt	tttgagagac	attgttaatt	5160



ttgggggaat	tggcattgcg	aaagacttga	aaactaatga	gtaaagtctg	ctgaatgaaa	5220
aaaaa						5225

```

<210> 6028
<211> 5514
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (3646)...(1248)
<223> similar to gi5360121 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

<400> 6028						
tttttttttt	ttggataata	aaaatttaat	agcaatatca	taaaataaac	acacatatta	60
aaaaatcaag	tatttagttt	cggatattag	aaataatata	cataataaat	tcaacatact	120
gatagtgtctg	caagataaga	ttttattttt	caaattacat	attatcgcca	accagcctgc	180
tttgactca	gaggttcaaa	aactttgctt	ttattacgaa	gaacatctgg	actgtagaca	240
cctctaacga	aaccagggtta	tacttggcat	attgtgattg	aagctgtgtg	atcaacatct	300
taatgacct	actaaatcct	ctcataacag	aaagaagttc	aacaggcaaa	catttccttc	360
cctaggatcc	tagttacca	aactgtcaca	gtgtcaaaat	aaaaataatt	atttcctcct	420
ttttaacatc	ttattgtcct	tgaagcttat	gtatggagga	agttaaaaac	caaaagagca	480
actttaagct	atatgctaag	tcagtgttaa	atccacagac	taatttttcg	atatagtatt	540
cctggttctg	gtccttaaag	agaaataaag	gcattaaacc	aactttttat	atgtcaagaa	600
atataatttt	gctattcttt	cataatcaaa	tctttcaatg	atttctaaga	ctgtttctac	660
agcctgtgtg	ctagttcagg	agacacactg	attgtaaaag	gacttgagaa	tataaacttt	720
aaggctaaaa	atttcattct	caaaatgtat	agatgtaaac	agagcccttg	acaagggtgat	780
ttaatgtaga	actgctggcc	agaatgaaaa	caagtactag	acagaaaaaa	gatcatgctt	840
aaagactcca	ttgaaaaacc	acagacaggt	ccttcattgac	ataggtaatt	ccttcaacct	900
aaagacattt	gctgaaactc	aaagttaccc	tattgcatag	taaatcttca	aaaccattaa	960
gtcaggttct	gggtcaatgt	ttcctatgct	ttggttggat	gatttaataa	agtatatatt	1020
ttatgagatt	taaccatgga	attcaatgaa	caaaatagat	aaaatattag	aatcttcatt	1080
gaaaaatggc	atgtttctcc	atctttttca	tgcaataaga	aagtccatct	taaatctgat	1140
tttttaaata	aataattgct	gtatttccca	ctgaagcttg	ttattctgat	aagccaaatt	1200
caaatgcttt	catatagttg	aggattaaaa	aacattttga	ggattattca	tcattatctt	1260
cttggtaggc	tccatctgcc	atgactaaat	gaagaatctt	ggcataaaga	tgctgatggt	1320
catttcccaa	aataatttga	actatttttg	aacaaatttc	aataattttca	tcttcattct	1380
catgaatagc	ctttattttc	tcataaacct	caaagaattt	ttcaaagccc	atttcctgct	1440
ccagatgaag	tctcagttcc	tctaaatggt	taaagacact	atcgcatcca	cattcactag	1500
caatttcacc	atcactgtta	tctgagtgcc	attcttcggt	cagggcactt	tcactgctgg	1560
gattgtcatc	ttcatctgcc	acatctgtcc	catttgcagt	tggtccaca	tcactgttct	1620
tcaagactga	ctcttcttct	tcactgtatt	cttcaccagg	ttgttcccta	agtaactggt	1680
ccatcgaggc	ctgcagctct	tgtaaatctg	tgtcagtttc	ttcaaacaca	atgtcttcag	1740
aatcagaagg	tccttcttta	atgttttcat	cttcaatttc	atctattttca	agattgtctt	1800
gacgaacatc	tcctacggtg	ggaacatcca	taagggttct	gaacagcttt	gagagatctg	1860
gaagtgaaca	tgtccttaac	atctttgggt	tggttgcatc	aaacagacca	gttgaaagtc	1920
caatcagcaa	ggaattcttg	tttttatttt	ttggtggtaa	atgctgagtga	gatcgaaatg	1980
caaaggattc	ttctggtgaa	cactgaactg	attgaacttg	agggactaag	ttcaagtgtt	2040
cagaatgaac	caccttatgg	aaaaatgggt	ccggttgcac	agacttatct	acatcacatt	2100

tagagtgctg	agaatcattg	gttccaggct	ctatatgaat	gtcactaagt	tggtccacag	2160
tactcgagac	tccatcttca	gaaacttcat	tttcttgaat	ggatgatccta	tctgccgact	2220
gagtttcctt	tgtttctttt	tcctcactaa	tccacacatc	agtaatagt	catggcaagc	2280
ttctcatctt	tgtttggtcc	acttggtctt	tgtagaattt	ctgtttccaa	atcatcaggt	2340
tcttctaaat	ttccttccag	tttcaatgac	atctgtggag	atgcctcact	gaactcggga	2400
ctttttgtct	caacaggaga	atcaacaata	gctgatgggt	ttatttcatg	tgaaatacat	2460
tgtacttttt	tttctccagt	aattaagggt	ttgtactttt	ccccttcggg	agaaatctca	2520
cttctaatag	ttgtattttc	taatagttct	gtctgaagtt	gtagttcagc	ttctccaagt	2580
atcttttagaa	cagaatctgt	cggacttttc	ccccaggctc	ttcttggaga	tccattagga	2640
cctaatttaa	taacttctcc	cactgtatgt	ctttcagttg	tagagaagga	tgtatctagt	2700
gtaactcat	ccagaggaa	cacaagttga	cctcctgcct	cccacttctt	gcgatcagat	2760
gaaactgatt	tttctttttc	atgctctttg	gcacttctcat	gaacatttat	ctcaaaagta	2820
tcagagagat	tctgctttcc	tttttcatct	tcttgagctt	taagattttc	atttaactca	2880
cgaagtattt	ctcgcttact	tgaaatagca	ttgttggtct	tttgcatctc	ttctgaagtt	2940
tcccgggtat	cagttaaact	actgtccacg	ccaacttctt	tcaaagctga	agttacagaa	3000
ataacagatc	tcatctgttg	ctttgatgga	gagccacctg	tttcatgctg	tcccaaagggt	3060
ggagaaacat	cagaactctt	aactccttta	gccaccaaat	gctcttccca	cacttttttt	3120
tctctctcat	aagcctcctt	tctctttcgt	tctagttgtt	cttttagtac	agcagcacgt	3180
gcatttgcac	gggccttcag	tgattcgatt	ttttttgcgc	ctcatgtcag	cctcttcact	3240
tccttcttgt	ccttcagaat	gattagcttc	tttcttttca	ccacgaagtt	tggtcttaat	3300
ctgttggcgc	tcattgaaat	tctgtagtct	tatttgcctc	agtcttgcca	gataaacctc	3360
ttcctctttg	tttcttggct	tccctcctct	tgaagagctg	ggcctgcctc	catacatagc	3420
tgccagggtt	tgcaggattc	ccatatgtcc	ttcggtcga	gctttattct	gcatagcttc	3480
ccgttttctg	tgcaggaaact	cttctacttg	tttagctctt	tctacagcta	gctgcccttt	3540
ttgcctttct	ggaagacctc	gaccatata	ttctcttttc	catttagctt	cattatcttc	3600
tgctctttgt	tgctgcattt	ggtcaaaaat	ggcatggtaa	tgttcatact	gtcctcgaga	3660
agaaaaagat	gatggagcta	tagtccctcc	actgccaga	aaaggagcct	ttacttcacc	3720
acttccacca	gcacttagca	catttctcca	tccttgttcc	ctggccctat	ttattctttc	3780
caacctttcc	ttttcttggc	ttttcatttg	ttcagccttc	attaaactaa	taatctgatc	3840
cttttgtttc	ttttcttttt	caataaattc	cagccttctc	tttcttgctg	cttcctcaga	3900
tattttctct	ctttcttccc	cagtattcac	tctcttctct	ggagtttgat	gggcctggtt	3960
atgtttttgc	agtggtttct	tttctgttaa	tttttatct	ccatatttct	tatatgctaa	4020
aggatttcca	tatttagcgg	caggctttgt	aattttctga	gcaggcataa	cagaaatcga	4080
gttttgtcct	gaagctggtc	ttttaagctg	gtataaggct	tgtgatccaa	acttcgaaaa	4140
atgtttttta	gacaaaaatt	cttcgtgcaa	taagctgagg	agagagaaac	ttttcaatgc	4200
gtttggctat	aaaacctttc	tccaatatgg	agttgactga	tggtctatcc	ctaggatttc	4260
ttttaataaa	ctgagacacc	aaactgcgga	gatcatagga	ataatgcaa	gacacagggtg	4320
gaaaagatcc	agatattatc	ttcagtagca	ggtttttcat	actgccagct	tcaaaagcat	4380
gtttaagtgt	acacagctca	taaaggacac	acccagagc	ccaaatgtca	cttttattat	4440
tgtaagggtt	gttttcacag	atttcagggtg	acaagtagta	tggggctcct	atgcaagttc	4500
gagccagctc	tacagtacta	ttaagaactc	tagcaattcc	aaaatctcca	agttatactg	4560
ttccatcttt	agttaaaaat	atgttctgag	atttaatgtc	tcgatgaaga	atttttctat	4620
catgtacatg	tttcaggggc	aaacatatct	gtacaaaacca	gtccaaaatc	tgatcctctt	4680
gaaacaaaac	gcctttctga	gcatttatct	gcttaaacag	atccccctcc	tcacagtaat	4740
ccattactat	gtagagagag	ccattttctt	caaagtattc	tctatactgg	acaatatattg	4800
gatgcttcat	gtttgccaat	actgcaactt	ctctccttga	ttcttctctt	tctttactgg	4860
acattcttga	gatgttaatt	tccttgataa	catactgtct	gccatcttct	gtagatttaa	4920
caagaatggc	ttttccaaat	gaaccttctc	caactcttctg	tagtctaaca	tacttctcca	4980
tgattctttt	tctaaggcat	ctttacagat	atgtatagca	tttaaaaaac	tcagtgcac	5040
aggacgttag	taggaataac	gggtgatgact	aataagcatc	agtctagggtg	tggcagctt	5100
cctacggggc	ttaataaagc	agaggtagca	tcccgcatct	tgaaaatgac	atcctgcac	5160
tcgtcttcag	ttgataccac	gggtttgact	ccgtcctgtc	tcggggcgacg	cccgtgaagac	5220
aggtagcac	taccccgacg	aaacaaacaa	actggtttct	gagccccgta	gaaacggcgg	5280
ggtagcagc	ggggagtgcc	tccgttaccg	cctctccaac	ttcacagagg	tcgttgctag	5340
tggtccacggc	gggggtgggga	cgggcggcgt	tcgggactgg	gaagctactt	gactgccacg	5400
tgctcctgcc	tcgcaacagc	ggctctagat	tccgagttat	ggggacaact	gctcgagagg	5460
ccagggttagg	gtaaggactc	cgcacacctag	ggtcccaaaa	ccctggagcg	aatg	5514

<210> 6029  
 <211> 3117  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <221> misc\_feature  
 <222> (15)...(1559)  
 <223> similar to gi4572585 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 6029

cattggactt	cagcatgact	actcagttgc	cagcttacgt	ggcaattttg	cttttctatg	60
tctcaagagc	cagctgccag	gacactttca	ctgcagctgt	ttatgagcat	gcagcgatat	120
tgcccaatgc	caccctaaca	ccagtgtctc	gtgaggaggc	tttggcatta	atgaatcgga	180
atctggacat	tttgggaagga	gcgatcacat	cagcagcaga	tcaggggtgcg	catattattg	240
tgactccaga	agatgctatt	tatggctgga	acttcaacag	ggactctctc	tacccatatt	300
tggaggacat	cccagaccct	gaagtaaact	ggatcccctg	taataatcgt	aacagatttg	360
gccagacccc	agtacaagaa	agactcagct	gcctgggcca	agaacaactc	tatctatggt	420
gtggcaaata	ttggggacaa	gaagccatgc	gataccagtg	atcctcagtg	tccccctgat	480
ggccgttacc	aatacaacac	tgatgtggtg	ttttgattct	cagggaaaac	tgggtggcacg	540
ctaccataag	caaaaccttt	tcatgggtga	aaatcaattc	aatgtaccca	aggagcctga	600
gattgtgact	ttcaatacca	cctttggaag	ttttggcatt	ttcacatgct	ttgatatact	660
cttccatgat	cctgctgtta	ccttgggtgaa	agatttccac	gtggacacca	tagtattccc	720
aacagcttgg	atgaatgttt	tgccacattt	gtcagctggt	gaattccact	cagcttgggc	780
tatgggcatg	agggtcaatt	tccttgcctc	caacatacat	taccctcaa	agaaaatgac	840
aggaagtggc	atctatgcac	ccaattcttc	aagagcattt	cattatgata	tgaagacaga	900
agagggaaaa	ctcctcctct	cgcaactgga	ttcccaccca	tccattctg	cagtgggtgaa	960
ctggacttcc	tatgccagca	gtatagaagc	gctctcatca	ggaaacaagg	aatttaaagg	1020
cactgtcttt	ttcgatgaat	tcacttttgt	gaagctcaca	ggagttgcag	gaaattatac	1080
agtttgtcag	aaagatctct	gctgtcattt	aagctacaaa	atgtctgaga	acataccaaa	1140
tgaagtgtac	gctctagggg	catttgacgg	actgcacact	gtggaagggc	gctattatct	1200
acagatttgt	accctgttga	aatgtaaaac	gactaattta	aacacttgcg	gtgactcagc	1260
tgaaacagct	tctaccaggt	ttgaaatggt	ctccctcagt	ggcactttcg	gaaccagta	1320
tgtctttcct	gaggtgttgc	tgagtgaana	tcagcttgca	cctggagaat	ttcaggtgtc	1380
aactgacgga	cgcttgttta	gtctgaagcc	aacatccgga	cctgtcttaa	cagtaactct	1440
gtttgggagg	ttgtatgaga	aggactgggc	atcaaagtct	tcatcaggcc	tcacagcaca	1500
agcaagaata	ataatgctaa	tagttatagc	acctattgta	tgctcattaa	gttggtagaa	1560
tattgacttt	ttctcttttt	tatttgggat	aatttaaaaa	atgatggatg	agaaaagaaa	1620
gatttggtccg	gggttaatat	atcctctagt	ataagtgaat	tactagtttc	tctttattta	1680
gacaaacaca	cacacaccag	ataatataaa	cttaataaat	tatctgttaa	tgtagatttt	1740
atttaaaaaa	ctatatattga	acattgggtct	ttcttggacg	tgagctaatt	atatcaataa	1800
agtatcacaa	atctttttacg	cagaagaaat	aaaaactacg	ggtagaaaac	ataagaacta	1860
tcataaaaatt	tacttacaag	gaggctgctc	ttgttaccac	ttttattata	ttacgtatca	1920
cttattcagc	tctgctgaaa	atttccaatg	actttgtttg	tttgcctctt	ttgtttttta	1980
cctaaacaat	acattttgat	tctcttgttg	gttgataatg	tctcccaaaa	atttacctgt	2040
tgaagcacct	cagaatgtga	ctgtattttg	agacaggggtc	tttaaagagg	taaaataagg	2100
tcattaggat	agaccctaatt	tcaatatgac	tgatgatcat	aaaagaagag	gcgagtgggg	2160
cacaacaggc	acaaagggag	accataagga	gacacagagg	aaggacaact	ctttacaagc	2220

taagaagaga	gggcctcaga	agaaaccaac	cctgccaca	ccttgatctt	ggacttccag	2280
cctccaaaac	tatgagaaat	aaatttctat	tgtttaagtc	acccagtcca	tggtactttg	2340
ttaggcagcc	ctggcaaatg	aatcaaagac	ccattcctgt	tcctctcccc	accactactg	2400
ttttctactg	taatctgaag	cttcaacaaa	aggcttacct	ggtaagaata	ttcagctggg	2460
ctgggtcctc	aagactccaa	tagacactct	taaagaagga	ttgctgatgg	attgatagtg	2520
aaaccattag	atcattgaat	tcctctggaa	ttagaaaacc	agagagtccc	attttaagaa	2580
attagatatt	taatatagca	ttgtgtgttc	tatttttagta	acagcagaat	ctcttgacat	2640
tacacaactc	agtgaacaaa	catcatttaa	gccaaaatat	ctcccaactg	actgatagac	2700
tctgagcact	aatatcatag	tgctgtgatg	atggacaatt	acatagtacc	gataacagcc	2760
atgcactgtg	caaagcatgc	ccttctgcac	aggagagcaa	ggcacttgca	gtagtgatct	2820
atgccagcaa	aacatcattt	tgagacaaac	atttttgtgg	cagatgtttt	tcctaaaaag	2880
tactatatca	tccaagaaat	atttgagtaa	aatcccttgt	tcttttgggg	gacattaact	2940
gacatttgct	ttttttcaag	acctaataga	aaataagaaa	gcccataatg	tatttagaaa	3000
caggaatcct	cagagcaatt	ctctgtattc	tcatataatt	tcaatgtaaa	acagaaaaca	3060
tattgatgtg	ttggtgatag	gcttgaatta	ttaaaaactt	caaaaacaaa	aaaaaaa	3117

<210> 6030  
 <211> 4360  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <221> misc\_feature  
 <222> (44)...(1962)  
 <223> similar to gi31738 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 6030						
ccgcgctctc	tgatcagagg	cgaagctcgg	aggctcctaca	ggtatggatc	tctggcagct	60
gctgttgacc	ttggcactgg	caggatcaag	tgatgctttt	tctggaagtg	aggccacagc	120
agctatcctt	agcagagcac	cctggagtct	gcaaagtgtt	aatccaggcc	taaagacaaa	180
ttcttctaag	gagcctaaat	tcaccaagtg	ccgttcacct	gagcgagaga	ctttttcatg	240
ccactggaca	gatgagggtc	atcatggtac	aaagaaccta	ggaccatac	agctgttcta	300
taccagaagg	aacactcaag	aatggactca	agaatggaaa	gaatgccctg	attatgtttc	360
tgctggggaa	aacagctgtt	actttaattc	atcgtttacc	tccatctgga	taccttattg	420
tatcaagcta	actagcaatg	gtggtacagt	ggatgaaaag	tgtttctctg	ttgatgaaat	480
agtgaacca	gatccacca	ttgccctcaa	ctggacttta	ctgaacgtca	gtttaactgg	540
gattcatgca	gatatccaag	tgagatggga	agcaccacgc	aatgcagata	ttcagaaagg	600
atggatgggt	ctggagtatg	aacttcaata	caaagaagta	aatgaaacta	aatggaaaat	660
gatggaccct	atattgacaa	catcagttcc	agtgtactca	ttgaaagtgg	ataaggaata	720
tgaagtgcgt	gtgagatcca	aacaacgaaa	ctctggaaat	tatggcgagt	tcagtgaggt	780
gctctatgta	acacttcctc	agatgagcca	atttacctgt	gaagaagatt	tctactttcc	840
atggctctta	attattatct	ttggaatatt	tgggctaaca	gtgatgctat	ttgtattcct	900
attttctaaa	cagcaaagga	ttaaaatgct	gattctgccc	ccagttccag	ttccaaagat	960
taaaggaatc	gatccagatc	tcctcaagga	aggaaaatta	gaggaggtga	acacaatctt	1020
agccattcat	gatagctata	aacccgaatt	ccacagtgat	gactcttggg	ttgaatttat	1080
tgagctagat	attgatgagc	cagatgaaaa	gactgaggaa	tcagacacag	acagacttct	1140
aagcagtgac	catgagaaat	cacatagtaa	cctaggggtg	aaggatggcg	actctggacg	1200
taccagctgt	tgtgaacctg	acattctgga	gactgatttc	aatgccaatg	acatacatga	1260
gggtacctca	gaggttgctc	agccacagag	gttaaaaagg	gaagcagatc	tcttatgcct	1320

tgaccagaag	aatcaaaata	actcacctta	tcatgatgct	tgccctgcta	ctcagcagcc	1380
cagtgttatc	caagcagaga	aaaacaaacc	acaaccactt	cctactgaag	gagctgagtc	1440
aactcaccaa	gctgcccata	ttcagctaag	caatccaagt	tcactgtcaa	acatcgactt	1500
ttatgcccag	gtgagcgaca	ttacaccagc	aggtagtgct	gtcctttccc	cgggcaaaa	1560
gaataaggca	gggatgtccc	aatgtgacat	gcacccggaa	atgggtctcac	tctgccaaga	1620
aaacttcctt	atggacaatg	cctacttctg	tgaggcagat	gccaaaaagt	gcatccctgt	1680
ggctcctcac	atcaaggttg	aatcacacat	acagccaagg	cttaaaccaa	gaggacattt	1740
acatcaccac	agaaagcctt	acccactgct	gctgggagcc	cctgggacag	gagaacatgt	1800
tccaggttct	gagatgcctg	tcccagacta	tacctccatt	catatagtac	agtccccaca	1860
gggcctcata	ctcaatgcga	ctgccttgcc	cttgctgac	aaagagtttc	tctcatcatg	1920
tggctatgtg	agcacagacc	aactgaacaa	aatcatgcct	tagcctttct	ttggtttccc	1980
aagagctacg	tatttaatat	caaagaattg	actggggcaa	taacgtttaa	gccaaaacaa	2040
tgtttaaacc	ttttttgggg	gagtgacagg	atggggtagt	gattctaaaa	tgctttttcc	2100
caaatgtttg	aaatatgatg	ttaaaaaat	aagaagaatg	cttaatcaga	tagatattcc	2160
tattgtgcaa	tgtaaatatt	ttaaagaatt	gtgtcagact	gtttagtagc	agtgattgtc	2220
ttaatattgt	gggtgttaat	ttttgatact	aagcattgaa	tgactatgtt	tttaatgtat	2280
agtaaatac	gctttttgaa	aaagcgaaaa	aatcaggtgg	cttttgcggt	tcaggaaaaat	2340
tgaatgcaaa	ccatagcaca	ggctaatttt	ttgtttgttc	ttaaataaga	aactttttta	2400
tttaaaaaac	taaaaactag	aggtagagaa	tttaaaactat	aagcaagaag	gcaaaaaatag	2460
tttgatatg	taaaacattt	attttgacat	aaagttgata	aagatatttt	taataatttt	2520
gacttcaagc	atggctattt	tatattacac	tacacactgt	gtactgcagt	tggtatgacc	2580
cctctaagga	gtgtagcaac	tacagtctaa	agctggttta	atgttttggc	caatgcacct	2640
aaagaaaaac	aaactcgttt	tttacaagc	cctttttatac	ctccccagac	tccttcaaca	2700
attctaaaat	gattgtagta	atctgcatta	ttggaatata	attgttttat	ctgaattttt	2760
aaacaagtat	ttgttaattt	agaaaacttt	aaagcgtttg	cacagatcaa	cttaccaggc	2820
accaaagaa	gtaaaagcaa	aaaagaaaac	ctttcttcac	caaactcttg	ttgatgccaa	2880
aaaaaaatac	atgctaagag	aagtagaaat	catagctgg	tcacactgac	caagatactt	2940
aagtgtctga	attgcacgcg	gagtgagttt	tttagtgctg	gcagatgggt	agagataaga	3000
tctatagcct	ctgcagcgga	atctgttcac	acccaacttg	gttttgctac	ataattatcc	3060
aggaagggaa	taaggtacaa	gaagcatttt	gtaagttgaa	gcaaatcgaa	tgaaattaac	3120
tgggtaatat	aacaaagagt	tcaagaaata	agtttttggt	tcacagccta	taaccagaca	3180
catactcatt	tttcatgata	atgaacagaa	catagacaga	agaaacaagg	ttttcagctc	3240
ccacagataa	ctgaaaatta	tttaaaaccg	taaaagaaac	tttctttctc	actaaatctt	3300
ttataggatt	tattttaaatt	agcaaaagaa	gaagtttcat	catttttttac	ttcctctctg	3360
agtggactgg	cctcaaagca	agcattcaga	agaaaaagaa	gcaacctcag	taatttagaa	3420
atcattttgc	aatcccttaa	tatcctaaac	atcattcatt	tttggtgttg	ttgttggtga	3480
gacagagtct	cgctctgtcg	ccaggctaga	gtgcagtggc	gcgatcttga	ctcactgcaa	3540
tctccacctc	ccacagggtt	aggcgattcc	cgtgcctcag	cctcctgagt	agctgggact	3600
acaggcacgc	accaccatgc	caggctaatt	tttttgatt	ttagcagaga	cgggggtttca	3660
ccatgttggc	caggatgggt	togatctcct	gacctcgtga	tccaccgcag	tcggcctccc	3720
aaagtgtctg	gattacaggt	gtaagccacc	gtgccagacc	ctaaacatca	ttcttgagag	3780
cattgggata	tctcctgaaa	agggtttatg	aaaagaagaa	tctcatctca	gtgaagaata	3840
cttctcattt	tttaaaaaag	cttaaaactt	tgaagtttag	tttaacttaa	atagtatttc	3900
ccattttatc	cagacctttt	ttaggaagca	agcttaattg	ctgataattt	taaattctct	3960
ctcttgacag	aaggactatg	aaaagctaga	attgagtgtt	taaagttcaa	catgttattt	4020
gtaatatag	tttgatagat	tttctgctac	tttgctgcta	tggttttctc	caagagctac	4080
ataatttagt	ttcatataaa	gtatcatcag	tgtagaacct	aattcaattc	aaagctgtgt	4140
gtttggaaga	ctatcttact	atttcacaac	agcctgacaa	catttctata	gccaaaaata	4200
gctaaatacc	tcaatcagtc	tcagaatgtc	attttggtac	tttggtggcc	acataagcca	4260
ttattcacta	gtatgactag	ttgtgtctgg	cagtttatat	ttaactctct	ttatgtctgt	4320
ggattttttc	cttcaaagtt	taataaattt	attttcttgg			4360

<211> 7741  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <221> misc\_feature  
 <222> (146)...(6083)  
 <223> similar to gi641958 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 6031

ccgagcagca	gtgctaaagg	agcccggcgg	aggcagcggt	gggtttggga	ctgaggcgct	60
ggatctgtgg	tcgcggctgg	ggacgtgcgc	ccgcgccacc	atcttcggct	gaagaggcaa	120
ttgcttttgg	atcgttccat	ttacaatggc	gcagagaact	ggactcgagg	atccagagag	180
gtatctcttt	gtggacaggg	ctgtcatcta	caacctgcc	actcaagctg	attggacagc	240
taaaaagcta	gtgtggattc	catcagaacg	ccatggtttt	gaggcagcta	gtatcaaaga	300
agaacgggga	gatgaagtta	tgggtggagtt	ggcagagaat	ggaaagaaag	caatggtcaa	360
caaagatgat	attcagaaga	tgaacccacc	taagttttcc	aagggtggagg	atatggcaga	420
attgacatgc	ttgaatgaag	cttcgcgtttt	acataatctg	aaggatcgct	actattcagg	480
actaatctat	acttattctg	gactcttctg	tgtagtтата	aacctttaca	agaatcttcc	540
aatttactct	gagaatatta	ttgaaatgta	cagagggaag	aagcgtcatg	agatgcctcc	600
acacatctat	gctatatctg	aatctgctta	cagatgcatg	cttcaagatc	gtgaggacca	660
gtcaattctt	tgcacgggtg	agtcagggtc	tgggaagaca	gaaaatacaa	agaaagttat	720
tcagtacctt	gccccatgtt	cttcttcaca	taaaggaaga	aaggaccata	atattcctgg	780
ggaaccttga	acggcagctt	ttgcaagcaa	atccaattct	ggagtcattt	ggaaatgcga	840
ggactgttca	aaatgataac	tcactctcgtt	ttggcaaatt	tattcggatc	aactttgatg	900
taactggcta	tatcgttggg	gccaacattg	aaacatacct	tctggaaaag	tctcgtgctg	960
ttcgtcaagc	aaaagatgaa	cgtacttttc	atatctttta	ccagttgtta	tctgggagca	1020
ggagaacacc	taaagtctga	tttgcttctt	gaagggttta	ataactacag	gtttctctcc	1080
aatggctata	ttcctattcc	gggacagcca	agacaaaggt	aatttccggg	gggaccctgg	1140
ggaggcaatg	cacataatgg	gcttctccca	tgaagagatt	ctgtcaatgc	ttaaagtagt	1200
atcttcagtg	ctacagtttg	gaaatatttc	tttcaaaaag	gagagaaata	ctgatcaagc	1260
ttccatgcc	gaaaatacag	ttgcgcagaa	gctctgccat	cttcttggga	tgaatgtgat	1320
ggagtttact	cgggccatcc	tgactccccg	gatcaaggtc	ggccgagact	atgtgcaaaa	1380
agcccagacc	aaagaacagg	cagattttgc	agtagaagca	ttggcaaaag	ctacctatga	1440
gcggctcttt	cgctggctcg	ttcatcgcat	caataaagct	ctggatagga	ccaaacgtca	1500
gggagcatct	ttcattggaa	tcctggatat	tgctggattt	gaaatttttg	agctgaactc	1560
ctttgaacaa	ctttgcatca	actacaccaa	tgagaagctg	cagcagctgt	tcaaccacac	1620
catgtttatc	ctagaacaag	aggaatacca	gcgcgaaggc	atcgagtgg	acttcatcga	1680
tttcgggctg	gatctgcagc	catgcatcga	cctaataag	agacctgcga	accctcctgg	1740
tgtactggcc	cttttggatg	aagaatgctg	gttccctaaa	gccacagata	aaacctttgt	1800
tgaaaaactg	gttcaagagc	aaggttccca	ctccaagttt	cagaaacctc	gacaattaaa	1860
agacaaagct	gattttttgca	ttatacatta	tgcagggaag	gtggactata	aggcagatga	1920
gtggctgatg	aagaatatgg	accccctgaa	tgacaacgtg	gccacccttt	tgcaccagtc	1980
atcagacaga	tttgtggcag	agcttttgaa	agatgtggac	cgtatcgtgg	gtctggatca	2040
agtcactggt	atgactgaga	cagcttttgg	ctccgcatat	aaaaccaaga	agggcagtgt	2100
tcgtaccgtt	gggcaactct	acaaagaatc	tctcaccaag	ctgatggcaa	ctctccgaaa	2160
caccaacctt	aactttgttc	gttgtatcat	tccaaatcac	gagaagaggg	ctggaaaatt	2220
ggatccacac	ctagtccctag	atcagcttcg	ctgtaatggt	gtcctggaag	ggatccgaat	2280
ctgtcgccag	ggcttcccta	accgaatagt	tttccaggaa	ttcagacaga	gatatgagat	2340
cctaactcca	aatgctattc	ctaaaggttt	tatggatggt	aaacaggcct	gtgaacgaat	2400
gatccgggct	ttagaattgg	acccaaactt	gtacagaatt	ggacagagca	agatattttt	2460
cagagctgga	gttctggcac	acttagagga	agaaagagat	ttaaaaatca	ccgatatcat	2520
tatcttcttc	caggccggtt	gcagagggtta	cctggccaga	aaggcctttg	ccaagaagca	2580

gcagcaacta	agtgccttaa	aggtctttgca	gcggaactgt	gccgcgtacc	tgaaattacg	2640
gacttgagcag	tggtggcgag	tcttcacaaa	ggtgaagccg	cttctacaag	tgactcgcca	2700
ggaggaagaa	cttcaggcca	aagatgaaga	gctgttgaag	gtgaaggaga	agcagacaaa	2760
ggtggaagga	gagctggagg	agatggagcg	gaagcaccag	cagcttttag	aagagaagaa	2820
tatccttgca	gaacaactac	aagcagagac	tgagctcttt	gctgaagcag	aagagatgag	2880
ggcaagactt	gctgctaaaa	agcaggaatt	agaagagatt	ctacatgact	tggagtctag	2940
ggttgaagaa	gaagaagaaa	gaaaccaa	cctccaaa	gaaaagaaaa	aaatgcaagc	3000
acatattcag	gacctggaag	aacagctaga	cgaggaggaa	ggggctcggc	aaaagctgca	3060
gctggaaaaag	gtgacagcag	aggccaagat	caagaagatg	gaagaggaga	ttctgcttct	3120
cgaggacca	aattccaagt	tcatcaaaga	aaagaaactc	atggaagatc	gcattgctga	3180
gtgttctctc	cagctggctg	aagaggaaga	aaaggcgaaa	aacttgcca	aaatcaggaa	3240
taagcaagaa	gtgatgatct	cagatttaga	agaacgctta	aagaaggaag	aaaagactcg	3300
tcaggaactg	gaaaaggcca	aaagaaaact	cgacggggag	acgaccgacc	tgaggacca	3360
gatcgagag	ctgcaggcgc	agattgatga	gctcaagctg	cagctggcca	agaaggagga	3420
ggagctgcag	ggcgactgg	ccagaggtga	tgatgaaaca	ctccataaga	acaatgccct	3480
taaagttgtg	cgagagctac	aagcccaa	tgctgaactt	caggaagact	ttgaatccga	3540
gaaggcttca	cggaacaagg	ccgaaaagca	gaaaagggac	ttgagtggag	aactggaagc	3600
tctgaaaaca	gagctggagg	acacgctgga	caccacggca	gcccagcagg	aactacgtac	3660
aaaacgtgaa	caagaagtgg	cagagctgaa	gaaagctctt	gaggaggaaa	ctaagaacca	3720
tgaagctcaa	atccaggaca	tgagacaaa	acacgcaaca	gccctggagg	agctctcaga	3780
gcagctggaa	caggccaagc	ggttcaaagc	aaatctagag	aagaacaagc	agggcctgga	3840
gacagataac	aaggagctgg	cgtgtgaggt	gaaggtcctg	cagcaggtca	aggctgagtc	3900
tgagcacaag	aggaagaagc	tcgacgcgca	ggtccaggag	ctccatgcca	aggctctga	3960
aggcgacagg	ctcagggtgg	agctggcgga	gaaagcaagt	aagctgcaga	atgagctaga	4020
taatgtctcc	acccttctgg	aagaagcaga	gaagaagggt	attaaatttg	ctaaggatgc	4080
agctagtctt	gagtctcaac	tacaggatac	acaggagctt	cttcaggagg	agacacgcca	4140
gaaactaaac	ctgagcagtc	ggatccggca	gctggaagag	gagaagaaca	gtcttcagga	4200
gcagcaggag	gaggaggagg	aggccaggaa	gaacctggag	aagcaagtgc	tggccctgca	4260
gtcccagttg	gctgatacca	agaagaaa	agatgacgac	ctgggaacaa	ttgaaagtct	4320
ggaagaagcc	aagaagaagc	ttctgaagga	cgcgagggcc	ctgagccagc	gcctggagga	4380
gaaggcactg	gcgtatgaca	aactggagaa	gaccaagaac	cgctgcagc	aggagctgga	4440
cgacctcacg	gtggacctgg	accaccagcg	ccaggtcgcc	tccaacttgg	agaagaagca	4500
agaagaagtt	tgaccagctg	ttagcagaag	agaagagcat	ctctgctcgc	tatgccgaag	4560
agcgggaccg	ggccgaagcc	gaggccaag	agaaaagaa	caaagccctg	tcactggccc	4620
gggccctcga	ggaagccctg	gaggccaagg	aggagtgtga	gaggcagaac	aagcagctcc	4680
gagcagacat	ggaagacctc	atgagctcca	aagatgatgt	gggaaaaaac	gttcacgaac	4740
ttgaaaaatc	caaacgggcc	ctagagcagc	aggtcggagg	aaatgaggac	ccagctggag	4800
gagctggaag	acgaactcca	ggccaaggaa	gatgccaagc	ttcgtctgga	ggtcaacatg	4860
caggccatga	aggcgagtt	cgagagagac	ctgcaaacca	gggatgagca	gaatgaagag	4920
aagaagcggc	tgctgatcaa	acaggtgcgg	gagctcgagg	cgagctgga	ggatgagagg	4980
aaacagcggg	cgcttgctgt	agcttcaaag	aaaaagatgg	agatagacct	gaaggacctc	5040
gaagcccaaa	tcgaggctgc	gaacaaaagct	cgggatgagg	tgattaagca	gctccgcaag	5100
ctccaggctc	agatgaagga	ttaccaacgt	gaattagaag	aagctcgtgc	atccagagat	5160
gagatttttg	ctcaatccaa	agagagtga	aagaaattga	agagtctgga	agcagaaatc	5220
cttcaattgc	aggaggaact	tgctcatct	gagcgagccc	gccgacacgc	cgagcaggag	5280
agagatgagc	tggcggaagc	gatcaccaac	agcgctctg	gcaagtccgc	gctgctggat	5340
gagaagcggc	gtctggaagc	tcggatcgca	cagctggagg	aggagctgga	agaggagcag	5400
agcaacatgg	agctgctcaa	cgaccgcttc	cgcaagacca	ctctacaggt	ggacacactg	5460
aacgccgagc	tagcagccga	gcgcagcgcc	gcccagaaga	gtgacaatgc	acgccagcaa	5520
ctggagcggc	agaacaagga	gctgaaggcc	aagctcgagg	aactcgagg	tgctgtcaag	5580
tctaagttca	aggccaccat	ctcagccctg	gaggccaaga	ttgggcagct	ggaggagcag	5640
cttgagcagg	aagccaagga	acgagcagcc	gccaacaa	tagtccgtcg	cactgagaag	5700
aagctgaaag	aaatcttcat	gcaggttgag	gatgagcgtc	gacacgcgga	ccagtataaa	5760
gagcagatgg	agaaggccaa	cgctcgatg	aagcagctta	aacgccagct	ggagggaagca	5820
gaagaagaag	cgacgcgtgc	caacgcctct	cggcgtaaac	tccagcgga	actggatgat	5880
gccaccgagg	ccaacgagg	cctgagccgc	gaggtcagca	ccctgaagaa	ccggctgagg	5940
cggggtggcc	ccatcagctt	ctcttcacgc	cgatctggcc	ggcgccagct	gcaccttgaa	6000





acccaatgca	gtacccacca	ccttaccag	cccagcccat	gggcccaccg	gcctaccacg	480
agaccctggc	tggaggagca	gccgcgccct	accccgccag	ccagcctcct	tacaacccgg	540
cctacatgga	tgccccgaag	gcggccctct	gagcattccc	tggcctctct	ggctgccact	600
tggttatgtt	gtgtgtgtgc	gtgagtgggtg	tgcaggcgcg	gttccttacg	ccccatgtgt	660
gctgtgtgtg	tccaggcacg	gttccttacg	ccccatgtgt	gctgtgtgtg	tcctgcctgt	720
atatgtggct	tcctctgatg	ctgacaagggt	ggggaacaat	ccttgccaga	gtgggctggg	780
accagacttt	gttctcttcc	tcacctgaaa	ttatgcttcc	taaaatctca	agccaaactc	840
aaagaatggg	gtggtggggg	gcaccctgtg	aggtggcccc	tgagaggtgg	gggcctctcc	900
agggcacatc	tggagttctt	ctccagctta	ccctagggtg	accaagtagg	gcctgtcaca	960
ccagggtggc	gcagctttct	gtgtgatgca	gatgtgtcct	ggtttcggca	gcgtagccag	1020
ctgctgcttg	aggccatggc	tcgtccccgg	agttgggggt	acccgttgca	gagccaggga	1080
catgatgcag	gcgaagcttg	ggatctggcc	aagttggact	ttgatccttt	gggcagatgt	1140
cccattgctc	cctggagcct	gtcatgcctg	ttggggatca	ggcagcctcc	tgatgccaga	1200
acacctcagg	cagagcccta	ctcagctgta	cctgtctgcc	tggactgtcc	cctgtccccg	1260
catctccctt	gggaccagct	ggaggggccac	atgcacacac	agcctagctg	ccccaggga	1320
gctctgctgc	ccttgctggc	cctgcccttc	ccacagggtga	gcagggtctcc	tgtccaccag	1380
cacactcagt	tctcttccct	gcagtgtttt	cattttatct	tagccaaaca	ttttgcctgt	1440
tttctgtttc	aaacatgata	gttgatatga	gactgaaacc	cctgggttgt	ggagggaat	1500
tggctcagag	atggacaacc	tggcaactgt	gagtccctgc	ttcccgacac	cagcctcatg	1560
gaatatgcaa	caactcctgt	acccagctcc	acggtgttct	ggcagcaggg	acacctgggc	1620
caatgggcca	tctggacca	aggtgggggtg	tggggccctg	gatggcagct	ctggcccaga	1680
catgaatacc	tcgtgttctt	cctccctcta	ttactgtttc	accagagctg	tcttagctca	1740
aatctgttgt	gtttctgagt	ctagggtctg	tacacttggt	tataataaat	gcaatcgttt	1800
ggaaaaaaaa	aa					1812

<210> 6033

<211> 2631

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (87)...(538)

<223> similar to gi31843 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 6033

cggcggcgctc	gaccagacac	tgacacttgc	agttgtcttt	ggtagttttt	ttgactaac	60
ttcaggaacc	agctcatgat	ctcaggatgt	atggaaaaat	aatctttgta	ttactattgt	120
cagcaattgt	gagcatatca	gcatcaagta	ccactgggtgt	ggcaatgcac	acttcaacct	180
cttcttcagt	cacaaagagt	tacatctcat	cacagacaaa	tgatacgcac	aaacgggaca	240
catatgcagc	cactcctaga	gctcatgaag	tttcagaaat	ttctgttaga	actgtttacc	300
ctccagaaga	ggaaaccgga	gaaagggtac	aacttgccca	tcatttctct	gaaccagaga	360
taacactcat	tatttttggg	gtgatggctg	gtgttatttg	aacgatcctc	ttaatttctt	420
acggtattcg	ccgactgata	aagaaaagcc	catctgatgt	aaaacctctc	ccgccgccct	480
gacacagacg	tgcctttaag	ttctgttgaa	atagataatc	cagagtcaag	tgatcaatga	540
gtatctgttc	acccaaaccc	aaatgtggaa	agaacacaag	gaggaccata	ggacttccag	600
tcaagtga	aattaacat	gtggactgga	ccctcccaat	aaattatata	cctgcctaag	660
ttgtacaatt	tcagaatgcg	aattttcatt	ataatgagtt	ccagtgactc	aatgatgggg	720
aaaaaaatct	ctgctcatta	atatttcaag	ataaagaaca	aatgtttcct	tgaatgcttg	780

cttttgtgtg	ttagcataat	ttttagaatt	gtttgagaat	tctgatccaa	aacttttagtt	840
gaattcatct	acgtttgttt	aatattaact	taacctattc	tattgtatta	taatgatgat	900
tctgtcaaat	gaaaggcttg	aaatacctag	atgaagttaa	gattttcttc	ctaattgtaa	960
acttttgagt	ctggtttcat	tgttttaaat	aaattaaggg	gacactaaag	tcctatcatt	1020
catttccttc	attggctgaa	cagggcaaga	tataatatta	catgaatgat	tactatatatt	1080
tgttcacact	aataaagctt	atgctcagaa	atgccataca	cacacacaaa	cacacacatt	1140
tatcatttaa	tgcataaaatc	aacacaaaag	gttttcccat	taatatgaaa	tattacatat	1200
atataagtgc	catattttaa	ataatttgtc	taacagtag	aactatgtcg	gagcactcac	1260
tgaagcttgc	attccgctga	aagagttatt	tgtgtaagta	gagtatccgg	agaaggaaaa	1320
gaacttacga	cctttcttta	taacagaaaag	ctcagctgta	aattcaacaa	gatgtgcaaa	1380
ccggacatgc	aggtgaatat	tttaataggt	tactataagg	ttctcaatta	aattcttttaa	1440
tctgtccagt	cccagtttct	cttattaata	aaactttgga	aattgcttta	aaccatttaa	1500
aggaiaatttc	tagatataga	caataaggac	tgtgactata	cagctgtcac	tcattttgtag	1560
taaaacttaa	aaagcaaaaa	caaaaaacaa	aaagacctt	ccgtgtgatac	tttattttccg	1620
aactaataaaa	aatctatatg	actttttatt	attgtgtgat	aaccaagtaa	atgttttcta	1680
ttttgcatat	tttcaggcat	ggtaacagaa	atttaccttt	taataaaatta	aaaaatctaa	1740
attttaacct	acttgatatg	tcggagagtg	tttttgtact	atattgacta	cttaaaatag	1800
agaatgagac	taagaaggga	acatttctgt	tgatacatgt	tttttaaaag	taatttttaag	1860
agcattatta	ggttaatttta	atccaattaa	tgacccaaat	gccaaggtaa	ttttaaatatt	1920
acatttttaa	taaaagcaac	atggtgaaac	aagagagggt	gagattaacc	tttttgctaa	1980
agtaatttac	aagtcaaaga	caggaagaga	tcagagtgaa	tgtgccttct	taaccagagc	2040
tacagaatth	agtgaataat	taaagtacaa	actgctttga	cctccttgaa	cttttccaag	2100
caatttctct	gtacttctat	atatgaatgt	cttagccaat	tttctgctac	tataacagaa	2160
tacgacagac	tgggtaattt	aaaaagaaaa	gaaattttatt	ttcttcctag	ttctggaggc	2220
tgggaaggcg	aagggcatgg	cactgacatc	tgctttgtaa	ctgatgagaa	ccttcttact	2280
gcatgataac	aaagcagcaa	ggcaagcaaa	agcgtaagat	gaagagagag	gaaatgaagc	2340
caaacacatc	ctttcatcag	aagcccattc	cctctataag	gcgttattac	atthtatgaga	2400
atggagtcct	catgacctaa	tcgtgacctt	aaaggccctt	cccaacactg	ttacaatggc	2460
aattaaaattt	caacaaagggt	tccagaggtg	acattogaat	cagcaatgaa	atthttcatag	2520
ttaaaatttg	tattcgtggg	ggaagaaatg	accattttccc	ttgtatthttt	ataatthaat	2580
cagcaaaaata	ttgtaataaaa	gaaatctttc	ctgtgaagat	accatgaccc	c	2631

```
<210> 6034
<211> 2036
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (115)...(247)
<223> similar to gi4336401 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```

<400>	6034					
tttttttttt	ttttacttga	cagatttcat	tgaatcta	aatctgtat	gtatgtacat	60
atatatagac	acacacaaat	tttaacttgt	tattaatctt	tatagagaca	gtgtctcact	120
ctgttgccca	ggctggagtg	cggtggcattg	attagaactg	actgtaacct	tgaactcatg	180
ggctcaagcg	atcctcctgc	cttggttcc	caaaaccctg	gaattaacag	atgtgagcca	240
ccacactggc	caaattttaa	catctttgtt	attgaaatac	aagtgtttaa	tttgccggca	300
tattttttta	caatacataa	aatactaccg	catcttaag	ttgatgttat	cttagattca	360

```

atgaaatatg ataactggat gtgaataaga aggaattcaa aagcaaagtt tcaaaccgga 420
gtgactggaa gggagtttcc ttgagcccca caggagagtc taaccaaatac ttccatttga 480
gcaatgatcc ccagacaata ctgctctccc accttcccca cttgaactta ttaataagag 540
gaagtagtta ttaatgacaa ctttaatatg aacatgtgct taaccctcaa gaaattgtca 600
caactgaaaag acggggagcaa gctgacactg caaggaacac atgatgcttt ggaatgggtg 660
gctgcgat tcaaacacat caaagcagca gttacttgaa caatcggaac ttcttcaaata 720
actggcccac ttcttccttg gggtagggcc ggagagcaat acaagtggcg atattctctg 780
gttgctcaag ccacagcatg tggatcaatgt tcttctgttg cagggtctcg gccagctcct 840
ttaggggtgt ctcatctggg gcctcgagga ccactttgag catgcgcccc agctcttgga 900
ggtaagcggc tgtgtgcggg tggctgcggg gagtgtgcaa ggccgcggtg gccgcgtgac 960
aagcctgcgc taccagtgcg cccgcccggc aggagaacgg agcttgtgat agatcctttc 1020
gtaacaccaa gtattgtacc aggacctgcg gctccgcccc agaggccgac atcttcctga 1080
ccacccgaaa ggccggaccc actccccggg gcatcttggg atcaggcgcg ggccctgagc 1140
gccgcatg ttttgtagcg caggatcgca aagcacgccc ggaccggttg gtttggtttt 1200
gaagacgtgg atggcgggaa ttctcgcttc tggcctggca aggacattgg agtccctatc 1260
accggttgcc tagacaactt catgggaagg cccttgggaa tctgagatgg agcaggcgaa 1320
ccctttacgt ccagatggcg agtccaaagg aggtgtttta gctcacttgg aaaggctaga 1380
gacccaagtg agcagatccc gtaaacagtc tgaagagctg cagagcgtgc aggccagga 1440
aggtgctctt ggaaccaaga ttcataaact aaggcgtctg cgagatgagc tgagggtctg 1500
ggtgcggcac cggcgagcca gcgtgaaagc atgtattgcc aatgtagaac ccaaccaaac 1560
agtggagatc aatgagcaag aagcattgga agagaaattg gaaaatgtga aagccattct 1620
gcaggcatat ctttttacag gttttgtttg tttttttaac ctaatttagt ctgggtctgc 1680
ctctagttag ttagtttgct agatgtgtta tcagtcctgg aattatttca taatttatag 1740
tattttacac cctctgccct catcactcac acacacacac acacagacac acacacagct 1800
gacgtgctat ttgtaggcct atcttcacct acaagattga ctggccccct tgtacagcag 1860
ctcagttggt ggctggctta ttccactcat cttaacagtt cgtcatgtgc cagaccttgt 1920
actagaactg tctttactgc tggcttgttt tctgccacta gtgaaatagt ttgaactttc 1980
caagtctccg tttcaccgta aatagggatt tattctccca tctatgcccc tgtatt 2036

```

```

<210> 6035
<211> 3053
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (6)...(2860)
<223> similar to gi5456900 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 6035
atgcgatgtt tggtttttcag agaaggggat tgggcacccc acgactacag ctctggcttc 60
tctctctcga attctgggag gtggggagcg gccagctcca ctactccgtc tcggaggagg 120
ccaaacacgg caccttcgtg ggccgcacgc cgcaggacct ggggctggag ctggcgagc 180
tgggtgcagcg cctgttccgg gtggcgctcca aaacacatgg ggaccttctg gaggtaaatc 240
tgcagaatgg cattttgttt gtgaattctc ggatcgaccg cgaggagctg tgcgggcaga 300
gcgcggagtg cagcatccac ctggagggtga tcgtggacag gccgctgcag gttttccatg 360
tgaacgtgga ggtgaaggac attaacgaca acccgccggg gttctcgctc agagaacaaa 420
agctgctgat tgcggaatct aagcaatcgg actcgcgttt tccactagag ggagcttctg 480
atgctgacat tgaagagaat gctctattga cctacaggct aagtaaaaat gagtattttt 540

```

ctttagattc	accaacaaat	ggtaagcaga	ttaaaagact	gtcacttatt	ttaaagaagt	600
ctctggatag	agagaaaact	ccggaactta	atthgtctgt	aacagctaca	gacgggggaa	660
aaccagagct	tactggcacc	gttcggctgt	tagtccaagt	cttggatgtc	aacgacaatg	720
atccagagtt	tgataaatca	gaatataagg	tgagccttat	ggaaaatgct	gctaaagaaa	780
ctcttggtgt	caaactaaac	gccacagacc	gagacgaagg	agtcaacgga	gaggtaacat	840
actccttctc	cagtgtgtgt	tctccagata	taaaatccaa	gttccacatg	gaccccttaa	900
gtggggcaat	cacagtgtgt	ggacatatgg	atthttgaaga	aagtagagca	cacaagatcc	960
cagtcgaggc	tgctcgataaa	ggcttcccac	ccctggctgg	tcattgtaca	gttcttggtg	1020
aagttgtgga	tgtaaattgac	aatgctccac	agttgactct	cacttccctg	tctctcccta	1080
ttccagagga	cgcccaacca	ggtaccgtca	tcacattgat	tagcgtgttt	gaccgagatt	1140
ttggagtcaa	cggacaggtt	acctgctccc	tgacgccccg	cgthcccttc	aagttggtgt	1200
ccaccttcaa	gaattactat	tcattgggtg	tggacagcgc	tctggaccgc	gagagtgtgt	1260
ccgcctatga	gctgggtggt	accgcgcggg	acgggggctc	gccttctctg	tgggccactg	1320
ctagcgtgtc	cgtggagggtg	gccgacgtga	acgacaacgc	cccggcgctc	gcgcagcccc	1380
agtatacggg	gttcgtgaag	gagaacaacc	cgccgggctg	ccacatcttc	acggtgtctg	1440
cgcgagacgc	ggacgcgcag	gagaacgcgc	tggtgtccta	ctcgtgtgtg	gagcggcggg	1500
tgggcgagcg	cgcgttgctg	agctacattt	cgggtgcacgc	ggagagcggc	aaggtgtacg	1560
cgtgcagccc	gctggaccac	gaggagctag	agctgctgca	gtttcaggtg	agcgcgcgcg	1620
acgcgggctg	gccgcctctg	ggcagcaacg	tgacgctgca	ggtgttcgtg	ctggacgaga	1680
acgacaacgc	gccggcgctg	ctggcgcttc	gggtgggtgg	tactgggtgt	gcagtgcgag	1740
agctgggtgcc	gcggtcactg	ggtgcaggcc	aagtggtggc	gaaggtacgt	gcagtggacg	1800
ctgactcagg	ctacaacgcg	tggctttcgt	atgagttgca	accggtggcg	gccggtgcga	1860
gcatcccgtt	ccgcgtgggg	ctgtacactg	gtgagatcag	cacgacacga	gccctagatg	1920
agacggacgc	accgcgccac	cgcttctctg	tgcttgtgaa	ggaccacggg	gagccctcgc	1980
tgacagccac	agccaccgtg	ctgggtgtcg	tggtggaaaag	cggccaggca	ccaaaggcgt	2040
cgtcgcgggc	atcggtgggc	attgcaggcc	cagagaccga	gctggtggat	gtcaacgtgt	2100
acctgatcat	cgccatctgc	gcggtgtcca	gtctgtttgt	gcttaccctg	ctgctgtaca	2160
cggcggttgc	gtgctcagcg	ccgtcctctg	agggcgcatg	tagtttggtg	aagcccactc	2220
tggtgtgtct	cagcgcgggtg	gggagctggt	cattctccca	gcagaggcgg	cagaggggtg	2280
gctctgggga	gggcccaccc	aagacagacc	tcattggcctt	cagtcccagc	cttctctcct	2340
gtgctgggat	tacagagcga	acgggagaaa	cagctctgct	tcctcagaat	cctttgcaaa	2400
gccacgacag	cccaaccctg	actggcggtt	ctctgcctcc	ctgagagcag	gcatgcacag	2460
ctctgtgcac	ctagaggagg	ctggcattct	acgggctggt	ccaggagggc	ctgatcagca	2520
gtggccaaca	gtatccagtg	caacaccaga	accagaggca	ggagaagtgt	cccctccagt	2580
cgggtgcgggt	gtcaacagca	acagctggac	ctttaaatac	ggaccaggca	accccaaaaca	2640
atccgggtccc	ggtgagttgc	ccgacaaatt	cattatccca	ggatctcctg	caatcatctc	2700
catccggcag	gagcctacta	acagccaaat	tgacaaaagt	gacttcataa	ccttcggcaa	2760
aaaggaggag	accaagaaaa	agaagaaaaa	gaagaagggt	aacaagaccc	aggagaaaaa	2820
agagaaaggg	aacagcacga	ctgacaacag	tgaccagtga	ggtcctcaaa	tggaaacaag	2880
ccacttagcc	agtttttgta	ataatggcaa	atctctccca	tgtagcaatt	ccctgctcct	2940
ttttcctatc	tacatgagcc	ctcttagaga	cctcagaaat	ctgcagaaag	ttccctgtgt	3000
ctgtttttggg	acgcatttaa	caggttttgt	cgtaaaagct	ttactaagtc	tgg	3053

<210> 6036

<211> 1998

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1910)...(1300)

<223> similar to gi2062022 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

```

<400> 6036
tttttttttt ttgtgggtaa aaccatTTTT attaaactgac caaagcacat ctttttgttt 60
tctgatttga ggtaaaatca taaaacacag ttcacaagaa aatacaatga ctatttaacc 120
acaattacaa gtttgaaatc tcaactaggtg ttcataact tttacaaatt catacaactg 180
tatagtctac ttaagcttag tgtaaaccaa aagagcaata tcaaagacct agacacttga 240
ctactacttt tgcagtgggt atagttttat aacaacagaa taactgttac cttatgaata 300
tactttactt taaaaaccac ttgactagcg actgtactgt ttctctcgtg ttcaggggtg 360
tgcattgaag ctcttaggag agcaaacacc tgttctctatt ctgtatgtcc ctccctcatt 420
tcaaatgaga gtaaccaatt gagtaaaata accaaataac cattgcccc ccatgaacat 480
ggggccttggg aagacagtcc tacaatcttc atcatatatt taggttttta ggccagccag 540
ctcttttttt ccaaagcttt cttttgaatg ttcagatcct attaatccta actatagact 600
actgtgtttg tgagggtgtc tgagtgtcta tgtgagggca aggacaacag tgcagtccag 660
aaacacagaa aatatgcttt tttgcagctg agctctgttt tgagatttca ttttgttact 720
ggacagcgct taatccatac caaagtcttt ggaacactgc agatttgctt tagaggtaga 780
taaacacagaa atcatgcagt taagtcaatt gagaaaaaaa aagggttttg ttgtctttac 840
agaacatcat gactaaaagt tgatcctttg ctcttggtgc acatttaaga tttttacctg 900
ttttgggaaa taccgaagtc ttcttgtct ctcaggaaaa acacatttaa attcatcctg 960
tactaactac agatagaaga acagcagtat taccatgtgt attgcagcac tgcagttcac 1020
tttctggatt tgtgacacac aaacacatca tgtgacgtcg catgcacgcg tkkgttggg 1080
kccctcgagg gatcctctag agcggccgccc cttttttttt tctttttcat tctaagaagt 1140
taattttatt agtgtcacta gtgatgttaa ttaaaaaact tatagcaagt gctcaaaact 1200
ttctaaatat tgtaatcact atgtttttaa gacagagtgg actgttacaa atgattttgc 1260
aaaatacaaa aatagatata cttccactga aatgctttta tcatttttcc gggcactctc 1320
atcttttggg tcttctctcat ctgagtacac agtgggctcc tccccctct tccagcagttt 1380
gcccacgtga tgatacttga aagtgaactg agactcccag tcaactcagag tctccctgct 1440
gggcagcaag tgaggtcaga aagggtcatc gttactcatc cttcaggggc ttctttatcc 1500
agggcaaaat tgtaggcaag gcccttgga tgcattttct tccagcaaaag accccatacg 1560
ggccccctcg gccccgtaag aaatttgcg gcctttgggt cacatcgaac accttgccgt 1620
tgatggccca tgagtatggc gcggggctct ggacgcgctc gaagcgccgc agcttcggcg 1680
gggggtgaag tcgcgcgct tgaggcgggg cagagggggc ggctcgtcgt cgtcgtgtc 1740
gccgcttggc cgccggctgg tccccgcgca cgatcttgta gagcaggaag atgcatgagg 1800
ccaagcagca gcaggttgag cggcgacgtg aaaatctcat gcagcagccc gccgctctcc 1860
agatcgcttg ggtcggcgcc agtcgccacc acatcctcgg cagccatgat ctctggagta 1920
aagggtgggc cgcgctaggc agggatccgg aactcgccac tttctctctc ctctgagcga 1980
gcgagtggcg cgcggggt
1998

```

```

<210> 6037
<211> 7238
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(7239)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (22)...(3101)

```

<223> similar to gi2224605 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 6037

ggcacgagaa	agctcaagat	ggcggacaaa	acgccaggcg	gatctcagaa	ggccagttca	60
aagacgagat	catcagatgt	tcattcatct	ggatcttcag	atgcacatat	ggatgcatct	120
ggaccctcag	atagtgatat	gccaaagtcgg	acacgaccta	agagcccaag	aaaacataat	180
tataggaatg	aaagtgcocg	tgaaagcctt	tgtgattctc	ctcatcagaa	tctctcaaga	240
cctcttctgg	aaaacaaact	taaagcattc	agtattggaa	aatgagtag	agctaagcga	300
actttaagta	aaaaggaaaca	ggaagaatta	aagaaaaagg	aggatgaaaa	ggcagctgct	360
gagatttatg	aggagtcttct	tgctgctttt	gaaggaaagt	atggtaataa	agtgaaaaa	420
tttgtgagag	ggggtgttgt	taatgcagct	aaagaagaac	atgaaacaga	tgaaaaaaga	480
ggtaaaatct	ataagccatc	ttcaagattt	gcagatcaaa	aaaatcctcc	aatcagtagt	540
tccaatgaaa	gaccaccatc	tcttcttgtg	atagaaacca	aaaaacctcc	acttaaaaaa	600
ggagagaaag	aaaagaaaaa	aagcaatttg	gaactcttca	aagaagaatt	aaagcaaat	660
caagaggaac	gtgatgagag	acataaaaca	aaaggcagat	taagtcgatt	tgaacctcct	720
cagtcagatt	ctgatggtca	gcgtcgcttct	atggacgcgc	cttcaagaag	aatagatca	780
tctggtgttc	ttgatgatta	cgcacctggc	tcacatgatg	taggagatcc	aagcactact	840
taatttttac	cttggaaca	tttaatccac	agatggantt	gaagaaatgc	tgttgccaag	900
aatttggaag	atttggaaccg	ttagccagtg	tgaaaatcat	gtggcctaga	actgatgaag	960
aaagagccag	agagagaaat	tgccggtttg	tggcctttat	gaatagaaga	gatgctgaaa	1020
gagctttaaa	aaatttgaa	ggaaaaatga	ttatgtcttt	tgaaatgaag	ttaggttggg	1080
gtaaagctgt	acctattcct	ccacatccaa	tatacatctc	gccttctatg	atggaacata	1140
cgttccccc	acctccatcc	ggactgcctt	ttaatgcgca	gcctagagag	cgttataaaa	1200
accctaattg	tcctatgtta	ccgccacctc	aaaacaaaga	ggattttgag	aagactctgt	1260
cgcaagccat	agtcaaagtg	gttatcccaa	cagaaaggaa	tttgctcgcc	ctgatacatc	1320
gaatgataga	gtttgttgtga	cgtgaagggc	caatgtttga	agctatgatt	atgaacagag	1380
aaatcaacaa	tcctatgttc	aggttcttat	ttgaaaacca	gacaccagcc	catgtttact	1440
ataggtggaa	gctttattct	attctgcagg	gagattctcc	aactaaatgg	cggacggaag	1500
attttcgtat	gttcaaaaa	ggatcttttt	ggaggccacc	accattaaat	cgtacttg	1560
atggaatgtc	agaagagcaa	gaaacagaag	cttttgtaga	ggaacctagt	aaaaagggag	1620
cacttaagga	agaacagagg	gataaatttg	aagaaatctt	gcggggatta	actccaagga	1680
aaaatgatat	tggagatgca	atggttttct	gtcttaataa	tgctgaagct	gctgaagaaa	1740
tagtggattg	cattactgag	tcgttgtcca	tcttaaagac	accttctcct	aaaaagattg	1800
ccagattata	tttggtttct	gatgttttgt	acaactcttc	agccaaagtt	gctaattgct	1860
catattatag	aaaatttttt	gaaacaaagt	tatgtcagat	attttcagac	ctcaatgcca	1920
cctatcgtac	aattcaaggc	catttacaat	ctgaaaactt	taagcaacgg	gtaatgactt	1980
gcttcagagc	atgggaagat	tgggcaattt	atccagaacc	atttttgatc	aaactacaaa	2040
atattttctt	aggacttgta	aatattattg	aagaaaagga	aacagaggat	gttccagatg	2100
accttgatgg	tgcccccatc	gaggaagagc	ttgatggtgc	acctctggaa	gatgtagatg	2160
gaattcctat	tgatgctact	cccatcgatg	atcttgatgg	agtccttata	aaaagtcttg	2220
atgatgatct	tgatggagtg	cctttggatg	caactgaaga	ctcaaaaaag	aatgagccta	2280
tattttaagt	tgccccatca	aatgggaag	ctgtggatga	atctgaattg	gaagcacagg	2340
ctgttacaac	ttctaaatgg	gaattatttg	accagcatga	agaatcagaa	gaagaagaaa	2400
atcaaaatca	agaagaagaa	agtgaagatg	aagaagatag	tcaaagttcc	aatctgaag	2460
aacatcattt	gtactcta	ccaatcaag	aagaaatgac	tgagtctaag	ttctctaagt	2520
actctgaaat	gagtggaggaa	aaacgagcca	aacttcgtga	aattgagctc	aaagtattga	2580
agtttcagga	tgaattggaa	tctgggaaaa	gacctaaaaa	accaggccag	agttttcagg	2640
agcaagtaga	acactacaga	gataaacttc	ttcaacgaga	gaaagagaaa	gagttagaaa	2700
gagaacgaga	aagagacaag	aaagataaag	aaaaatttga	atctcgctcc	aaagacaaga	2760
aggaaaaaga	tgagtgtact	ccgacaagga	aggaaaggaa	gaggcgacac	agtacatccc	2820
ccagcccatc	tcgcagtagc	agtggtagac	gagtgaatc	cccatcacca	aatcgagc	2880
gatcagagcg	ttcagaaaga	tctcataaag	agagctcacg	gtccagggtca	tctcaciaaag	2940
attctcctag	agatgttagc	aaaaaagcca	aaagatcacc	atctggttca	aggacacctc	3000

aaaggtctag	gcgatcacgg	tctagatctc	ctaaaaaatc	aggaaagaag	tccagatccc	3060
agtccagatc	tccacacagg	tctcataaaa	agtccaaagg	aaaaacaaac	actggccgta	3120
aatTTTTTaa	gaaggctgtc	acttattgga	aatgcgattt	gtttttgtgc	cctgaacggg	3180
ctgtttttta	aaaaaacaaa	aaaaatcaaa	tgaaagagca	ttccctgggg	ttttttgttt	3240
gtttgtgtat	gcatgtgtaa	actcatgagc	aactgcatct	gtagatctgt	cattggttta	3300
tattgtgtaa	attactttca	ttgtggctat	ttctcaagat	gaaattttta	ttgttcta	3360
ggatttcgat	cagaaatggg	gtataatgga	tctgctgaca	gtgagtagta	ttttgtttta	3420
ggatgttgtg	acttagcaaa	aataatacag	atgtcttccc	cccttttgta	gctttgacaa	3480
tttgaattag	atttcaaata	aaatctgaac	agaaaactat	aatgttgttt	ttttgcccc	3540
ccggtgatat	taagtccctt	aaagtcctac	tgagtttcac	actactgttg	tgcttcttat	3600
acctgatgca	ctttataagc	cccagtgttc	aagtagctta	agttttatat	ttactaagat	3660
gactatccaa	attaagggag	ctgagactcc	tatttggtgg	tttgctaacc	atttgctttt	3720
gataagtttc	tcttgggtaa	tactaatacc	agatatcaa	agactaggta	gatatggcat	3780
ggcgttttgt	tagtgggaatg	cctggcta	acattttttt	cacagaagca	atatgatttc	3840
catacatcca	acccatgttc	tgagcaacta	cttactttta	gggggaaatt	aaatatcttt	3900
tcatttcctc	ttctattatg	aaagaagttt	atttgtaaaa	caaattttct	aacaaggttt	3960
ggccatagaa	ttctcttgta	tgattgttga	ccttttataa	tcttctgtag	gctatctttc	4020
aaacactggc	atcagaatat	tttttataag	tttgtgttta	aacagcttag	ttggtccccc	4080
ccccactcc	caagagactt	gggtttagtt	atagctttta	gtaaaattta	aaaataaaat	4140
gtttttcagg	aaacttcgta	tctaattggt	tgtaaaattc	aggtgcaaaa	agttgattta	4200
aacctattgc	agagttgaac	tctattatga	aaataaattt	gctacggtat	gaggaagaaa	4260
taaaacttgt	gtaatgttgg	tcataatact	gctataaata	taataaaggg	ttatgtagaa	4320
ttgaactgac	actattat	gtgaatcttg	atttcagttt	tttatgtagg	cacttcatac	4380
actggtttga	tgggtttttt	ttttcctccc	taaaagagaa	agtagaaaac	tattctaaca	4440
atggattatt	ttgatttagc	ttgcttttta	aaaaaatctt	ttcaacttgt	tttactta	4500
cttgccatag	cacaaaataa	gatgtgcacc	catggtttgg	agagttccta	tattagctga	4560
gcagtggat	acactatttc	caaacggtgc	acacctacag	tagctttgga	aatgagccaa	4620
tcactgtttt	acttaatggg	tcttatcagc	atgcaaatat	tgcttgaaa	ttatttcctt	4680
attcactggt	ttgttagtcc	attttgttag	gaaacattaa	ttccta	tttgttcaga	4740
ataattaaaa	gtgaacattt	gggtgctgata	ctcaaaaacc	tacaaatgta	gccatttaaa	4800
aagtaacatg	tttttctccc	ctgctcattg	ctggggagaa	tgggaatttta	tataactacc	4860
tttctttgca	aaaataacgg	tcgtgtcgag	ttggtggtga	ttttggcatt	ccatcttgca	4920
ctggtttcta	gtataggctt	ataaataatt	ggtcaggtaa	taatctttcc	agtcagggtg	4980
caagggatgc	ttatttctct	tcaaaaaaag	acatcctgcg	ggattgagta	gaaaattttta	5040
ggtcagtttt	gggtgcttat	ttgtaata	tttcctacta	cattggagtt	tagcagttct	5100
ttttttctgg	atccagatac	aagtgtcatg	gtttatctta	cagtgggtga	aactgacttt	5160
cttttggttg	gggtgggtgag	gatttcttag	gcctgataga	atatataattc	tgtgaagttt	5220
gttaatgtac	atattagatt	gtattggatt	tttttttttt	gaattgcaa	tggattatt	5280
agataggtta	tttccagttt	tacttcatga	caaattacct	agagtaaacc	tacttaatac	5340
tcccatggat	tctatgaaag	tttaatggga	tcagaaattg	gtgacttata	agggggaaga	5400
tattctacca	tatttttata	atagcttatt	attcatgttt	cttgtctgaa	ggacactcaa	5460
gttacagagc	aaaatttcta	taggttgact	agaatgttca	taagcatggg	cttccagttg	5520
caggaaagat	catgttctat	ctgtggacac	ttactgtcct	ctaccacagc	tacgtgccag	5580
agttgttttc	cacagttctt	ataaagggca	tgacttaggc	tctttaccct	ccaactta	5640
gtttatacac	agggattggt	tactaggtta	atgacattta	actcccctct	cttctgtagg	5700
tgagagaaaa	taagtaagtc	ttgatctggt	tcttaccaa	gagagacaga	cctatgatgg	5760
aaaatgatca	cgtctctgaa	ttttttcttt	aacgttataag	ttccttatta	cagatagtaa	5820
gcatatggga	atttctgagc	tataacatgt	tgagaagtta	gaaattaaaa	ctaacacaac	5880
aaaaggcgct	gaatcaaaag	atctttgctt	ttatttggct	cagaatgttt	ttggcctttt	5940
tgctaaagat	ggcagaaatt	actctacaca	gacctgattt	ttctttattg	cagaccattc	6000
ttgtgggctt	accctgagac	ttttatccca	attagtgaat	cttgagggga	atacttgctt	6060
atttatgact	taggtatttc	cccccaaact	ttaatatctt	tgagcacttg	aaaatacttt	6120
tgagaaattt	taactgtgat	taaatttagg	tttattagaa	atattctgta	cacatttgcc	6180
tccatggtgg	cgtaagttct	gaaaaattat	atgaccgtga	caatagttta	tcatcatcat	6240
tattgttatt	caaaataagg	gtaaataaat	ctctgtattg	ccaaagtgac	ttaaactggt	6300
ctgatgacca	cacagtgtga	tttcttttag	agagaaagtt	ggttttaaaa	ataaatagta	6360
ccacttttct	aagactgtac	agttttacaa	taagggtttt	ttctttgttg	ttttcctctt	6420





gagttaaaaa	atgggacaga	gtgggtttat	tttggcagca	agaagagaaa	accggggtag	1140
tgggatggca	actggatgga	acaggagaa	ggctcagcag	cattttgctc	cttccagcct	1200
ggtcacngcc	tcctccactg	gctgatatct	acattttcac	tgttggggct	cctttaacag	1260
ggggctcttc	cgaaggatat	ccttccagct	aacgttgagg	aacgcccttt	tccgatgttt	1320
aatatattgct	tttgcaactag	tctcaaaaaa	cctaatacca	tgctcccttt	gcaatctggt	1380
ctccttttcc	tttaggtaca	acctcttttg	tcgtccaata	tcacacttag	tgttcctagc	1440
aaccattctt	tccaccatca	ttcattggca	tgctcatcct	atgtttctaa	agccatttgc	1500
ctgatgtttt	caaaaccttt	taaccattgg	gtgatgtcat	ataactagca	tgatacccat	1560
tgcgcctctg	tagtaggagg	ttgtgatggt	gtgaaatcgc	tcctgggcct	gctgtatccc	1620
atatctgtag	cttgatcttc	tttccttgta	attcaactgt	tttgatcttg	aagtctattc	1680
ctatggtgga	aataaaggta	gtattgaagg	catcatccga	aaaacgaaaa	aggacgcagg	1740
tcttccccac	tccggaatcc	ccgatcagga	gcagcttgaa	aagcaggtcg	tacgtcttct	1800
tcgccattgg	gaggagcggc	tcgggctctc	gccgccggcg	gccccaaagg	atcgggtccct	1860
ctcactacgg	ccaactcctc	actcggggcg	tctcagggcg	gaggaccggg	gaagcgtggg	1920
aaaaaggctc	gagacggcgc	gggcgacctc	cgaacagctt	tgaggaaagcc	ccgacagtgg	1980
cggcgtccag	tgctcccgag	ggcggccggg	gggaggggat	taattttaatt	aaggat	2036

```

<210> 6039
<211> 1773
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (47)...(1613)
<223> similar to gi5326764 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

<400> 6039	
gcggcccgcg	tcgaccgagc
gacctgcacc	cgcttcaccg
ctctgtggtc	cgacgctgtg
caacaccaag	aagctgtcag
ccgccttggt	aagcattcca
ccactacctg	gtcttcgatc
agagtactac	agcgaggctg
tccattgtaa	ccaaatgggg
ccagcaagtg	caaaggggct
agggggacca	gcaggcatgg
tccttcgcaa	agaggcgta
acatcctgct	cgtggggtac
agatcaaggc	tggtgcctat
ccaaaaacct	catcaaccag
aggccctgaa	gcacccgtgg
aggagactgt	ggagtgtctg
tcaccaccat	gctggccaca
cagatggagt	caagccccag
aaggggacgt	tcctcctgcc
acgggattaa	ggagtcttct
cccggaagca	ggagatcatt
gcacgcccgc	cccgtccgcc
gctctacgag	gatattggca
caccggccat	gagtatgcag
ccagaagctg	gagagagagg
tctccacgac	agcatctccg
agcattctcc	aggagggcct
tttgaagaca	ttgtggcgag
cagatcctgg	gaggccgttc
gccggagaa	ctgcttctgg
cggcctagct	atcgagggtgc
aggctacctg	tcccctgagg
ggcatgtggg	gtgatcctgt
ccagcacaag	ctgtaccagc
ggacacgctc	actcctgaag
caagcgcata	acagcccatg
agcatccatg	atgcacagac
aaagctcaag	ggagccatcc
gagtttactc	aacaagaaaag
tgacgcccgc	accagcccca
cgatcatccat	aaccagtggt
agaggatgaa	gacgctaaag
cgaggccgtc	aacaacggtg

09488725.012100

```

actttgaggc ctacgcgaaa atctgtgacc cagggccttga cctcgttgaa cctaaaaacca 1320
ttggcaaacc tgggtgaagg aatggacttt ccacagattt ttacttttcgg agaaccttgc 1380
ttggccaagg aacagcaagc cgatccacac gaccatcctg aacccacacg tgcacgtcat 1440
tggagaggat gccgcctgca tcgcttacat ccggctcacg cagtacattg acgggcaggg 1500
ccggcccccgc accagccagt ctgaggagac ccgcgtgtgg caccgccgcg acggcaagtg 1560
gcagaacgtg cacttccact gctcggggcgc gcctgtggcc ccgctgcagt gaagagctgc 1620
gccctggttt cgccggacag agttggtgtt tggagcccga ctgccctcgg gcacacggcc 1680
tgctgtcgc atgtttgtgt ctgcctcgtt ccctcccctg gtgcctgtgt ctgcagaaaa 1740
acaagaccag atgtgatttg tttaaaaaaa aaa 1773

```

```

<210> 6040
<211> 3934
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (3916)...(849)
<223> similar to gi4240173 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 6040
tttttttttt ttggcaatat aacatgtcta ttttatttta aaaaacaaaa cccaaaccac 60
ctgacccctt ccccgaggag ctcttgacga aactctaggg aagggcctgg ctccagccaa 120
gcaggggaca gtcagaagat gtcaacatgg atgccaggct ggtgggctcc gcccttctcc 180
aagcccccca tccaccccct ttgctcctcg gtgctacagg cactgccggg ttgaggggac 240
aggcagggca ggactgtggg catgcagagc ctctggcag ccagggaggg ctgcccggcc 300
ccctgcatct ggcgaggcag gcagctgtgt gcgcagtgat ggagctagga ggaggaaaca 360
tgccgcagaca ccccggtgtc ccgcttcccc acgtggccag gagagtgttc aaacacgaac 420
aaggatggct gggcactcag ggccccagcc cccaaccag gagaggaaga ggggggtccc 480
gccctcctgg ttcttttggt cgtccttaga tggatggtgt tctcggtgcc actcggcaga 540
aattctgcag actgaggcgg agggccggga ggagggcgtg catccgcaga gcccacaggg 600
ctcggaccct ctgccccag cgacctccat tcgctacctg tcgggcagga tgcccagggg 660
tgccgggcac ctgatctgga tccctggagt ggagggaccc tgtcttaagc cacactcggg 720
ggttctgccg cccagggcag ggggtggactg taggctcccg acagcatgac aacagccgtg 780
acagtgtgcc tgccggctgg cgtgccttcc tttcctgccc accagggacg ccaaccagct 840
ctgcctcagc accagggggc tcgggaggct cgccgcggc agagactgtc gctccgctgc 900
caggcgctgt ggatgaggct caaggcatcc tcgaatttct tcttggttga ggcttcctgg 960
atcgccgtgt gggggagggt cacctgatag atggttttcc acccagagtt cagtgcagac 1020
agcaatcggg ccagttcaga agtgacgtc aggtagatga cccagggcgg gaggagctgc 1080
tggctgtcct gggagaactc caagacgcag tactccttgc ccggctcggg ggagacggcg 1140
ctgatgtcgc ccagcttggc tgtgccccaa gagcggaaga agctggctcg gcaatcctca 1200
tggcacgtaa agaggcggtc atccgtgagg accaggcagc agggtatgca ggggctggga 1260
gctacgccct gggggatgac ccttttgga acagcctggc agagatgctg catccactcg 1320
gccatctcgg cctcgctctc ggcacttagc tccaggcagg gcggatcgga gagaatgacc 1380
tgggaaggcg ggggcccgat cgtggtgttg gctctccggc agccaccgca ctgctcccc 1440
cccatgttca ccgagagcag agggatgacg tcggtgcggg ccgggtactg gtagaggatc 1500
ccgttgctga gcaccacgaa gcacgtcttc cagtgttctt tgcccaggta ggagggtgcc 1560
gccttgtagt gcagcatgcc ttctttggtg atggtgccct cggggggtga gcagtggcag 1620
ggcgtggggc ccagggactc gtctgtgggg tcctcccagt gcacaaggcc gtagaagcgc 1680

```

acggtgacag	cagatgcctc	acacttcgat	tcttgggcca	caaatttggc	cagtgccagc	1740
ttctccatgg	tggcatccgt	caggatgctg	gggtagggag	gttctcgaca	gcctttgatc	1800
atggctgact	tcaaagaagc	caaaaaagaac	tcagccagcg	ccacatcagc	cgtgtccagc	1860
agaaactgct	tctctgcggt	ggtgcacacc	agcttcaccg	tctgctggtc	aaggccaacc	1920
gacacatagt	caagttcatt	gtaagaaacg	gcctcttcca	ccaggtatgg	cttctctgtg	1980
gcccctttcc	ggagcaggta	gacatagcag	tctgtgagca	gcacgtacag	cagctgcagg	2040
ttgccctcca	tgtgcccggt	gctcatccgg	atcattttga	acagctgctc	ttcgttttct	2100
cggaacacgt	ggatcatgag	caggagcagg	tgattgttgt	ctactctgaa	ctccgaggaa	2160
tggaccatct	ccgaagggct	cccctgtccc	tcatccaccc	cagaatcctc	agcgctactc	2220
agacacgggc	tgggctggtc	tcgcttgagc	tggcagagaa	cctcctgggt	cccaggctct	2280
ggctcagaca	caggcccctc	cctgaccagg	gacagctggg	cctccagctc	ctgagcctcc	2340
ctcgtggtat	cctctagggg	ccgaggcgtc	tgtccctctc	ctcctcctcc	ctcttcttct	2400
tggccagcag	cctcagggct	actaggaaca	tgcagcggtt	ggccaagccc	tgcagggtca	2460
tggtgggcgc	cacctgatgt	aacagtgctt	ggactctcga	cggtaaagcg	gtagaagtcc	2520
attggggctg	aaagcccctc	actaaagtgg	caaagcggcg	gcctctccgg	ggcatccccg	2580
ggagagccgg	tccgaagga	ctggctcggg	ggctcagcac	gggagcacca	ggtgctgggg	2640
tccagctgcc	cgttgagctg	gtcgataaac	ttgctcaggg	gctgccccaa	gcgctccatg	2700
gaggtgtcct	tcatctcagg	gatcagcagg	cccggctcgg	agcgtctcgt	gctctccgtg	2760
gtgctgctcg	gcccctctcc	ctcctcctgg	ggggaggcaa	cctagtgctc	tggcgagtcc	2820
cgcccaaggc	ttgggctgcc	gttgcggtcg	tcaccgtccc	cctgcttggc	acatttcttc	2880
tggctgcagg	cggggtggag	tggacttgcc	tcctcatctg	atctgctctt	tttcttcttg	2940
ccaattttct	tcttcttggt	gaccctgatg	acctcgagct	ccgtgcaggc	atccggcggg	3000
tccagggcct	gggcctcctc	cttctcctga	gaggtggtgt	gcacgggggt	ggtgtcagag	3060
gaggacacag	tctctgccgg	ctcctcgttg	aaggggttct	ggcgctgggt	ggggctcctg	3120
gtggaggcct	tgtgctggtt	caggtcggag	gctgtggagc	ggggaccact	gaccgtgtct	3180
gtgaggtctc	catcttccca	gtctgtgctg	gggtacagac	ggcactgctt	ggaaacacat	3240
ctccaaaatc	ataatcctca	ctagatgggg	caatcgcact	tgtcatccca	ctccaggttg	3300
gtggaggtga	cggagttgaa	agagttgagg	gacagactgt	ctgagccgtg	gaccgagctg	3360
ggaaaggcgt	cttcaaagtc	cagcaggtag	tgaggtttgt	agtagttcgg	catgtagggg	3420
gccaggtcta	ggtaaggggc	atccagatcc	agctcgaaac	gaatgaactc	tagccccgac	3480
accaaggtcc	agaagagcgt	caggtgatcg	tggctgcaga	ccagggcatt	cttgacgtag	3540
tacttatgca	gcaggcccag	gttctcctgg	aacaaccgca	ggtagctctc	caaggagttc	3600
tcgttgaggg	ccaggtacag	ccaggcacgg	ctgcgcccc	ggttggtggc	cacgtgctgc	3660
agcacctcga	tctgcttgat	ggcctctctc	cgagtaaaat	gcaccacgag	caccagtag	3720
ccagaggaga	ggtcttgtag	tccgtatcgc	agggcgtggt	ccaggtgctc	acacagacgc	3780
tgtaggacct	tgtcatgggt	ccggatggca	gggatctcat	cctcacatgc	agcaaaatag	3840
ctctgcaact	tcttcaccga	cagcgagatg	ttctccagga	tccggtcctt	cacctcccc	3900
ggctccatgg	cgctgccacc	gtcgccgcac	gaaa			3934

<211> 407

<212> DNA

<213> Home

<220>

<221> misc feature

$$\langle 222 \rangle \quad (131) \dots (330)$$

```
<223> similar to gi5726234 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters
```

```

<400> 6041
ttaaaaaacaa tgtcttctgt tcatgcaa at gtctttaata aagaaggaag gatttgttgt      60
aactctctga agacatgcac aatctgaggg tccgaaagtg tccaaattct gttctctgga      120
ttcaagatga ctgaggcttg agccgagctt tcgctcacca tccaacactg ctgtttgccg      180
ccgtcgcaga cccaccgctg acttccacccc ctctggatat cgcaagggtgt cggctgcgct      240
cctgatccag cgaggcgccc attgctgctc tggatagggc taaaggcttg ccattgttcc      300
cgcacagcta agtgcctggg ttcacacctaa tcaagctgaa cgctggttgc tgggttccat      360
ggttctcttc catgaccacac cacttcta at agagctgtaa cactcac                      407

```

```

<210> 6042
<211> 6355
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(6356)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (463)...(4366)
<223> similar to gi2224557 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 6042
attcggcaca gggaggccat caggggctgg gacagttcgg ttattgacac tccaagaatt      60
aggaagcaga catgaccttt tagtgccaca aaagatgaat tggtgaatt atctgaagct      120
gaaagtgaag gagatgaaaa gcccaaacctc cggagaccct gtgaccgttc caatggctat      180
ggaagaactg aatgctttta agttgagaaa aacctgctag tttatgggtg gggccgatgg      240
agagagattc tatctcatgg ccgtttcaaa aggcagctaa atgaacacga tgtagagata      300
atttgccgag ctctcttagc atattgcctt gttcactacc gaggagatga gaagattaaa      360
ggtttcatat gggatctcat tactccaact gaagatggac agacacgaga gctacagaat      420
catctaggcc tatcagctcc tgtacccagg ggtcgaaaag ggaagaaagt aaaaactcaa      480
acaagctcat ttgatataca aaaagcagaa tggcttcgaa aatataatcc cgagcagctc      540
cttcaagatg aaggctacaa aaaacatata aaacaccact gtaataaggt tttgcttcgt      600
gtgagaatgc tgtattatct aaagcaagaa gttattggaa atgagtgtca gaaagtattt      660
gatggagttg atgcaagtga cattgatggt tgggtaccag aaccagacca ctcagaagtt      720
cctgctgagt ggtgggattt tgatgctgat aagtcactcc ttattggagt ttttaaacad      780
ggatatgaaa aatataacac tattcgagca gaccagcat tatgcttctt ggaaagagtg      840
ggaaaacctg atgagaaagc agttgctgct gaacagagag cgaatgatta tatggatggg      900
gatgtggaag atccagaata caaacctgcc ccagccatct ttaaagatga tatagaggat      960
gatgtttcct caccaggaga tcttggtata gcagatggag atgggtcaact gatggagggt      1020
gataaagtat attggcctac tcaatcagct ttaaccacac gtttgaggcg tctcatcact      1080
gcataccagc gtactaataa aaacagacaa attcaacaga tacaaccgac tttctcgggtg      1140
cctaccagtg taatgcagcc tatttatgag gaagccactc ttaatcctaa aatggcagcc      1200
aagatagaaa gacagcaaag atggacaaga agagaagaag ctgactttta tagggttgta      1260
tctacatttg gagtgggttt tgaccctgac agaggccaat ttgattggac aaaatttaga      1320
gctatggcta ggctacataa gaaaactgat gatatgtttg gaaaaatatt tgtacgcatt      1380
catgtccatg tgtcggaggg tttgtccgtc ttccttccaa aagaagaatt ggtggatcca      1440

```

aatatTTTTa	tccagcccat	cacagaagaa	cggTgcttct	aggacttttg	tatcgcatTg	1500
aacttctaag	gaaagtacgg	ggnacaggcc	cttcgacatc	cacagttgtt	tgaacgcttg	1560
aagctttgcc	atccaaatcg	cagattttacc	agtctggtgg	gaatgtggcc	ctcatgatag	1620
ggatttgctt	attggTgctg	ccaaacacgg	ggTgagccga	acagactatc	acattcttcg	1680
TgacCctgaa	ctctcattta	Tggcagctca	gaggaaactac	agtcaaagta	agatggctca	1740
ttcaagggact	tctaccccac	ttctacagca	atatcaagta	gcactttctg	cttctcctct	1800
tacctctcta	cctaggctcc	tagatgctaa	aggtattatt	ctagaggaga	Tgaaagttaa	1860
aagtGaaaac	cttaaagagg	agcctcagtc	ttctgaagaa	gaatctatgt	cttctgtgga	1920
aaccaggaca	ctgataaaaat	ctgagcctgt	aagtccaaag	aatggtgttt	taccacaggc	1980
tactggagac	cagaaatctg	gtggaaaaatg	Tgaaacagac	agacgcatgg	ttgcagccag	2040
aacagaaccc	ctaactccaa	accagcttc	taagaaacca	agagtccaca	aaaggggatc	2100
agaatctagt	tctgattctg	actcagattc	Tgagagatca	tcttgTtctt	ccagatcatc	2160
ttcttcctca	tcatcctctt	cttgctccca	ctctcgatca	ggctctagtt	cttcttcac	2220
ttcatcttgt	tcttcagcat	cttcttcac	ctcttcctcc	acctcttct	cctcctcctc	2280
ctcttcac	tcatcagaag	aaagtgcag	Tgatgaagaa	gaagcccaa	aacgagaag	2340
tactactcac	atgaaagcct	atgatgaaga	aagcgtcgcg	tcactgagca	ctaccagga	2400
Tgagactcag	gatagttttc	agatgaacaa	Tgggacacca	gagtctgctt	atatcttaca	2460
aggtggatat	atgctggcag	cctcgTattg	gccaaaggat	cgtgtgatga	tcaataggTt	2520
ggacagtatt	Tgtcaaacag	ttctgaaagg	aaagtggcct	tcaGctagaa	gaagtTatga	2580
Tgctaacaca	gtggcttctt	tctataccac	aaaactgctg	gacagccctg	gagcagctac	2640
agaatacagc	gagcccagtg	taccactcc	cccaggtgcc	ggtgtTaaag	aagaacatga	2700
tcaGtcaaca	cagatgtcaa	aggaaggtgg	tttgaagTtg	acatttcaga	agcaagggct	2760
Tgctcagaaa	agaccatttg	atggTgaaga	cggTgctctg	gggcagcagc	agtacctcac	2820
Tcggtctcga	gagcttcaaa	gtgcacacaga	gaccagcctc	gtcaatttcc	caaaatccat	2880
accagtatca	ggtacttcca	ttcaaccaac	ccttggtgcc	aatggtgtga	tattagacaa	2940
ccagcctata	gtcaaaaaaa	ggcgagggaag	gaggaagaat	gtagaaggTg	ttgacatctt	3000
cttttttaac	agaaataaac	cacctaatca	Tgtttcttta	ggcttaacct	cctcacagat	3060
ttccacaggg	ataaatccag	cactatccta	tactcaacct	caaggaattc	ctgatacaga	3120
aagtccagtt	ccagttatta	atcttaaaga	Tggaacgaga	cttgCaggag	atgatgcacc	3180
aaagagaaa	gatttggaag	aatggcTtaa	ggagcacccg	ggttatgtgg	aagatttggg	3240
agcttttatt	cctagaatgc	agcttcatga	gggaagaccc	aaacaaaaaa	gacaccgttg	3300
cagaaacccc	aataaactag	atgtgaatag	tctcactgga	gaagaacgtg	ttcaactgat	3360
taacagaaga	aatgctagaa	aggttgagg	Tgcatttgct	cccccttTga	aagattttatg	3420
tagattccta	aaagaaaatt	cagaatatgg	agtagctcct	gaatggggag	atgttgTtaa	3480
gcaatctgga	tttcttccag	aaagcatgta	Tgaacgtatt	ctcactggTc	ccgttgTgag	3540
agaggaagta	agcaggcggg	ggagacggcc	TaaaagtTga	attgcaaagg	ccacagcagc	3600
agcagctgct	gcacTgcca	ccagTgtttc	aggcaatcct	ttgttagcca	atggactact	3660
Tccaggtgtg	gatctcaca	ctcttcaggc	cttacaacaa	aacctacaaa	acttgCagtc	3720
actgcaagta	actgctgggt	Tgatgggaat	gcctaccggc	cttcttctg	gaggagaagc	3780
Taaaaacatg	gctgctatgt	Tccccatgct	gctgtcagga	atggctggat	Taccaaatct	3840
gttgggcatg	ggaggactcc	Tgacaaagcc	Tacggaatct	gggacagaag	acaaaaaggg	3900
aagggactct	aaggagtCag	aaggaaaaac	agaaaggaca	gagagcctaa	gttcagagaa	3960
Tggtggagaa	aactctgtgt	caagTtctcc	Ttccacatcc	Tctactgctg	cattaaatac	4020
agctgcagct	gccaacccat	tagctcttaa	cccactatta	ctatctaata	Tactttatcc	4080
agggatgctt	ctcactccag	ggccttaate	Ttcatattcc	aactttgtcc	cagtccaata	4140
cttttgatgt	acaaaacaaa	aacagtgact	taggtcgtc	Taagtctgta	gaagTaaaag	4200
aagaagattc	cagaattaaa	gatcaggaag	acaaaggagg	aactgaacca	agTcctctca	4260
atgaaaacag	cacagatgag	ggTtcagaga	aagctgatgc	Ttcatctgga	Tctgatagta	4320
catcgTcgTc	atctgaggat	Tcagattcta	Ttaataaaga	ctgattccca	gactctgcac	4380
Ttaaaatatg	aactgatttt	ggattttttc	Tttaataatt	aattgtaaat	acccagTgt	4440
Tgagtgcac	aataacttac	Tggaccgaac	attttcagtt	aatttggttt	aggagtGcaa	4500
actgctttca	gagacttttt	gcatgtata	tttcttaaga	Ttcataagtt	Tctgaactcg	4560
Tatgtactat	caaatacata	aaggTgtaaa	attacaacaa	aaggcattat	aattttgttg	4620
ggggTtaatt	Ttatgaaaat	Tatgctcaat	aagagTtgta	Tattttaatat	atttgCagtg	4680
aacacagaat	actttatgca	Tattactgat	Ttaatttgaa	TatagtTtta	cagcctcctt	4740
gacacctata	atttacagat	caaaactcag	caataatttg	ggcagcta	aatgtcatg	4800
aaagctgtag	aatctacatc	accatccatt	gctttaatta	catgaaaatg	ctctagtgtt	4860

gtgatgcact	gctgatgttt	ccaattcagg	tacaagtatg	ttttaaagaa	gaaataagtt	4920
tcccaatcag	ccaatttaac	tggctacctg	ttacctcagc	tgagttagtt	taggaagttt	4980
acattcgttt	ctaattctat	acttggtttc	aggggttttt	tttaaacaca	tcctatatat	5040
catgtcaatc	tggcaagaaa	tatgacttgc	tttttgctga	gcttaattca	gatatcagta	5100
aaattaagtc	ataaaaataat	catgtgtcat	gtgacttttg	caccctatag	acatacttag	5160
ttttaacttt	tcaaagtttg	gcctcctatt	aaaaataatc	atgcctcaca	tgagtaatgt	5220
ctgtttccag	ggttcagaaa	aggcaaaactc	atgaaatgcc	actgaaaaga	actttcaaca	5280
cagcatactt	catgtaaaag	aaattgtttg	tttgctttct	ttgtgtagat	ttctattttgt	5340
gttttatgtc	atggaaatat	tccagaatta	acagataata	gtggtaaagt	aatatgcaga	5400
tagtctaaat	tcattttgag	tttctaggtg	taagcagact	aaatgttgcc	cagaatcagt	5460
gttgggttat	cagttttatat	taaatatact	gagttgcccg	ttttgaaaat	gcactttgaa	5520
taatctcaaa	aagatgtaca	agttataacct	gtaaaccaca	aaagtgaagc	ctgaggcttc	5580
tgttcaattt	catagactcc	tttaccatgt	aaaatttgtc	tgatatttga	tttgtgatac	5640
aattttctcct	gctaaagctg	ctattattct	gacaaggtag	aggtccaggt	tcacctttat	5700
atatatttta	aacaattagt	actgaattgg	acataaaaaat	attgacattc	taaggagaga	5760
tatatgttag	catttttctg	gtactcaaat	aagttagtag	taaagtctgc	aagggcataa	5820
atthaggggg	aaaaagtgtc	ccagttctct	cctacagaaa	aaatactttc	agtatgtttt	5880
gataaaactg	ttgctttgtc	atgagttagt	caattgtatc	aggttttcca	agacctttac	5940
cagtaaatata	tgtttctgta	tgtaaaataa	ccccttatta	gagagacagt	gttatatgta	6000
tttacaaaat	tatataagtt	ccattgggat	tgtattgatt	ttgtattttc	ccaaaatagt	6060
actttgaatt	gatagtcctt	tatgcaatgt	cttagcaata	gtctctataa	tgcccatcca	6120
ggagaagtgg	gtagtaattc	ttcatcatga	aaatgatata	ttacatatatt	agtatcttcc	6180
ctttgcagta	ttgcactttt	gtttaactag	aatacaccta	tgagatagcc	aaagtttcaa	6240
acacagttat	cttagttttac	cgggtggagta	tttcaacacc	aaccacattt	cccttcctcc	6300
ctctaattct	acccacatga	tctttattcc	ttccttttcgc	caattaaaaa	aaaaa	6355

<210> 6043

<211> 5539

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (87)...(4494)

<223> similar to gi35568 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 6043

tttcgtattg	gcttttcaggc	tggcgccctgt	ctcgcccccc	gcgccagttt	tgggctgggt	60
ggcgcggaat	cgggagattc	gggaccatgg	cacctgtgca	cggcgacgac	tgtgagatag	120
ggcgagtgct	tctgtcagat	tcagggagtt	ttgtatcttc	tcgagcccgg	cgagaaaaaa	180
aatcaaagaa	ggggcgccaa	gaagccctag	aaagactgaa	aaaggctaaa	gctgggtgaga	240
ggtataaata	tgaagtcgag	gacttcacag	gtgtttatga	agaagttgat	gaagaacagt	300
attcgaagct	ggttcaggca	cgccaggatg	atgactggat	tgtggatgat	gatggtattg	360
gctatgtgga	agatggccga	gagatttttg	atgatgacct	tgaagatgat	gcccttgatg	420
ctgatgagaa	aggaaaagat	ggtaaagcac	gcaataaaga	caagaggaat	gtaaagaagc	480
tcgcagtgac	aaaaccgaac	aacattaagt	caatgttcat	tgcttgtgct	ggaaagaaaa	540
ctgcagataa	agctgtagac	ttgtccaagg	atggtctgct	aggtgacatt	ctacaggatc	600
ttaacactga	gacacctcaa	ataactccac	cacctgtaat	gatactgaag	aagaaaagat	660
ccattggagc	ttcacccgaat	cctttctctg	tgcacaccgc	cacggcagtt	ccttcaggaa	720

aaattgcttc	cctgtgtctcc	agaaaggagc	ctccattaac	tctgtttcct	cttaaactgtg	780
ctgaatttgc	tggcgatgat	gtacagggtcg	agagtacaga	agaagagcag	gagtcagggg	840
caatggagtt	tgaagatggt	gacttttgatg	agcccatgga	agttgaagag	gtggaccttg	900
agcctatggc	tgccaaggct	tgggacaaaag	agagtgaagcc	agcagaggaa	gtgaaacaag	960
aggcggattc	tgggaaagg	accgtgtcct	acttaggaag	ttttctccc	gatgtctctt	1020
gttgggacat	tgatcaagaa	ggtgatagca	gtttctcagt	gcaagaagtt	caagtggatt	1080
ccagtcacct	cccattggta	aaagggggcag	atgaggaaca	agtattccac	ttttatttgg	1140
tggatgctta	tgaggatcag	tacaaccaac	caggtgtggt	atttctgttt	gggaaagt	1200
ggattgaatc	agccgagacc	catgtgagct	gttgtgtcat	ggtgaaaaat	atcgagcgaa	1260
cgctttactt	ccttccccgt	gaaatgaaaa	ttgatctaaa	tacgggggaa	gaaacaggaa	1320
ctccaatttc	aatgaaggat	gtttatgagg	aatttgatga	gaaaatagca	acgaaatata	1380
aaattatgaa	gttcaagtct	aagccagtgg	aaaagaacta	tgcttttgag	atacctgatg	1440
ttccagaaaa	atctgagtac	ttggaagtta	aatactcggc	tgaaatgcca	cagcttctct	1500
aagatttgaa	aggagaaaact	ttttctcatg	tatttggggc	caacacatct	agcctgggaa	1560
tgttcttgat	gaacagaaaag	atcaaaggac	cttgttggct	tgaagtataa	aagtccacag	1620
ctcttaatac	gccagtcagt	tgggtgtaaag	ttgaggcaat	ggctttgaaa	ccagaccttg	1680
tgaatgtaat	taaggatgtc	agtccaccac	cgcttgtcgt	gatggctttc	agcatgaaga	1740
caatgcagaa	tgcaagaac	catcaaaatg	agattattgc	tatggcagct	ttggtccatc	1800
acagttttgc	attggataaa	gcagcccca	agcctccctt	tcagtcacac	ttctgtgttg	1860
tgtctaaacc	aaaggactgt	atttttccat	atgctttcaa	agaagtcatt	gagaaaaaga	1920
atgtgaagg	tgaggttgct	gcaacagaaa	gaacactgct	aggttttttc	cttgcaaaag	1980
ttcacaaaat	tgatcctgat	atcattgtgg	gtcataatat	ttatgggttt	gaactggaag	2040
tactactgca	gagaattaat	gtgtgcaaa	ctcctcactg	gtccaagata	ggtcgactga	2100
agcgatccaa	catgccaaa	cttggggggc	ggagtggatt	tgggtgaaaga	aatgctacct	2160
gtggtcgaat	gatctgtgat	gtggaaaatt	cagcaaagga	attgattcgt	tgtaaaagct	2220
accatctgtc	tgaacttggt	cagcagattc	taaaaactga	aagggttgta	atcccaatgg	2280
aaaatataca	aaatatgtac	agtgaatctt	ctcaactgtt	atacctgttg	gaacacacct	2340
ggaaagatgc	ccaagttcat	tttgagatc	atgtgtgagc	taaatgttct	tccattagca	2400
ttgcagatca	ctaactcgc	tgggaacatt	atgtccagga	cgctgatggg	tggacgatcc	2460
gagcgtaacg	agttcttggt	gcttcatgca	ttttacgaaa	acaactatat	tgtgcctgac	2520
aagcagattt	tcagaaagcc	tcagcaaaaa	ctgggagatg	aagatgaaga	aattgatgga	2580
gataccaata	aatacaagaa	aggacgtaag	aaaggagctt	atgctggagg	cttggttttg	2640
gaccccaaa	ttgggttttt	tgataagttc	attttgcttc	tggacttcaa	cagtctatat	2700
ccttccatca	ttcaggaatt	taacatttgt	tttacaacag	tacaaagagt	tgcttcagag	2760
gcacagaaag	ttacagagga	tggagaacaa	gaacagatcc	ctgagttgcc	agatccaagc	2820
ttagaaatgg	gcattttgcc	cagagagatc	cggaactgg	tagaacggag	aaaacaagtc	2880
aaacagctaa	tgaacagca	agacttaaat	ccagacctta	ttcttcagta	tgacattoga	2940
cagaaggctt	tgaagctcac	agcgaacagt	atgtatgggt	gcctgggatt	ttcctatagc	3000
agattttacg	ccaaacct	ggctgccttg	gtgacatata	aagggaaggga	gattttgatg	3060
catacgaaag	agatggtaca	aaagatgaat	cttgaagtta	tttatggaga	tacagattca	3120
attatgataa	acaccaatag	caccaatctg	gaagaagtat	ttaagttggg	aaacaaggta	3180
aaaagtgaag	tgaataagtt	gtacaaactg	cttgaaatag	acattgatgg	ggttttcaag	3240
tctctgctac	tgtgaaaaa	aaagaagtac	gctgctctgg	ttgttgagcc	aacgtcggat	3300
gggaattatg	tcaccaaaca	ggagctcaaa	ggattagata	tagttagaag	agattgggtg	3360
gatcttgcta	aagacactgg	aaactttgtg	attggccaga	ttctttctga	tcaaagccgg	3420
gacactatag	tggaaaacat	tcagaagagg	ctgatagaaa	ttggagaaaa	tgtgctaaat	3480
ggcagtgtcc	cagtgaagcca	gtttgaaatt	aacaaggcat	tgacaaagga	tccccaggat	3540
tacctgata	aaaaaagcct	acctcatgta	catgttgccc	tctggataaa	ttctcaagga	3600
ggcagaaaag	tgaagctgg	agatactgtg	tcatatgtca	tctgtcagga	tggatcaaac	3660
ctactgcaa	gtcagagggc	ctatgcgcct	gagcagctgc	agaaacagga	taatctaacc	3720
attgacaccc	agtactacct	ggcccagcag	atccacccag	tcgtggctcg	gatctgtgaa	3780
ccaatagacg	gaattgatgc	tgtcctcatt	gcaacgggg	gggaactttg	acccacacca	3840
atttaaagtt	catcattatc	ataaagatga	agagaatgat	gctctacttg	gtggccagc	3900
acagctcact	gatgaagaga	aatacaggga	ctgtgaaaga	ttcaaagtgc	catgccctac	3960
atgtggaact	gagaatattt	atgataatgt	ctttgatgg	tcgggaacag	atatggagcc	4020
cagcttgat	cgttgcagta	acatcgattg	taaggcttca	cctctgacct	ttacagtaca	4080
actgagcaac	aaattgatca	tggacattag	acgtttcatt	aaaaagtact	atgatggctg	4140

gttgatatgt	gaagagccaa	cctgtcgcaa	tcgaactcgt	caccttcccc	ttcaattctc	4200
ccgaactggg	cctctttgcc	cagcctgcat	gaaagctaca	cttcaaccag	agtattctga	4260
caagtccctg	tacaccagc	tgtgctttta	ccggtacatt	tttgatgcgg	agtgtgcact	4320
ggagaaaactt	actaccgatc	atgagaaaaga	taaattgaag	aagcaatttt	ttacccccaa	4380
agttctgcag	gactacagaa	aactcaagaa	cacagcagag	caattcttgt	cccgaagtgg	4440
ctactccgaa	gtgaatctga	gcaaactctt	cgctggttgt	gccgtgaaat	cctaagggaa	4500
tcccaggagt	aaccaaggag	ggggtagtgt	aaaaatccca	gcttcctctg	tgccctccact	4560
ctggccctaa	atgctcctcc	agcatctgtt	tctcccttgg	gactgtgtct	catgtttgtg	4620
tgaatgtaga	ccaggaaaag	gggctgcaaa	aatgttgagt	ctaattgttcg	taagcatcat	4680
agaaattcct	gtcttcatat	taagatgtac	tgctttaaaa	cacaactcca	gagccccctcc	4740
ccaagctccc	ctcccgaagc	tcctgaagac	ccggtttctg	agggagggaa	attgctactt	4800
ggattgagag	tagctggaat	gtaagtgacc	ccaggctttg	cctcagggcc	tttagcctat	4860
gtccccccca	cataaagaga	gcttctcaga	gcctgactga	agagctgacg	ttttgctttt	4920
tcatatgccca	attaaacccg	gtctaaatcc	aaatgcttct	ccagccatcc	aggagtggct	4980
gtcctttttca	gtcttgtctt	ttatataggt	agctgagggg	gaagatttag	aagccttgca	5040
ctcactaaat	agattaaaca	gagcaggctt	gtttgttgaa	ttgctccaaa	gtccaacaga	5100
cacacactga	gcaggtgttt	tacactcaca	ttcccttttt	tgccccttaa	atagaaagtg	5160
caggtaaagg	tttataacaac	aagaaagcac	attgaaaata	atttgatact	ctaacaatcc	5220
attaacatgt	gtaggggtta	cgggtgaggat	cactgtgttg	tattcagaaa	aacggggaga	5280
gggatgctta	attggccctg	gcgcttgcta	tttttttctc	atttcttcac	aataggaccg	5340
tctttggcag	cagcaaaatg	tatttcagta	tggcagtcct	tcctctctta	cattattgggt	5400
aagattatac	taacaaaatg	tttccccttg	tacaattatg	ctgtgttttt	aaaaaacatt	5460
gacctgtgtg	tttttataaa	agaaaaagta	tgttgtgcct	tcttcttaag	aataaagtgt	5520
tctaaaggga	aaaaaaaaa					5539

<210> 6044

<211> 1123

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (837)...(139)

<223> similar to gi2613010 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 6044

tttttttttt	gtattttag	aaaaccttta	atgttcccca	ggctgaggga	gccctgtgag	60
ccagctaaaa	acccccactg	tgaagtcctt	gccatgtccc	agcagtgtgg	agtggcatgg	120
ggcttcatcc	tgactgtcag	aggctgaagc	cactaccatc	tcctcgaatg	cgactcccc	180
agccagaact	ggcctgctcc	tggtcattca	gggagggcag	agagctgcgg	gtaccaggat	240
gtcggcagcc	aggggtgcagg	tcccagcacg	ggggccccctg	agacagccca	ttggaactgg	300
gaggctggcg	gtttctcaatg	accagggtcac	tgctgtcatc	gtcactatca	ggctcagcag	360
gcccaggccc	tgcaagaggga	ggacctgtca	aacgcccaga	tgcccctcgc	accacgttat	420
tgcgctggtt	ggcgggcttg	acagtgacaa	tgagggttat	ggctgttggc	aaccatcatg	480
tccgtcactt	ggttcaaagt	cttccctgct	acttcaatgc	cattgacctc	gaggatctca	540
tactgaccg	ccagcagccc	tgtactctca	gccagacccc	cacgtaccag	gcgggagatg	600
aagattcctg	gaacccgctc	cagggccctg	gggagccaca	cgcacgctca	tgccatctcg	660
gatgtagaag	cccagggggc	ggtctgaacc	atgcttgtgc	agccgcaccc	gtcgggtgggt	720
ctcaggcagt	agggtccacgt	ctatgactga	ggaaacctgg	cggaaatctt	ggggcaggct	780



gattagcaag	ggtggccggg	tgcgcagggg	tgccactggc	cgcagcaaga	gccctttctt	840
gcgccgctgc	agagagtgtg	aggcaaaagc	caggccgctg	gagtcagctt	cccgtttctg	900
caccagtagg	cgcagtggcg	gggcccgcgtg	ccagggcccc	gtgcaggctg	tcgtcgttgg	960
tgaggggcag	caggtcgcca	tgagcatccg	tatagccaag	tagcacgtcc	aggcccggga	1020
tctgtgcacc	gcccgcagca	accgcgagaa	ctcctgaagc	cgctcaccga	agccgaggca	1080
ggcgaagcgt	cggaaactcgg	cgtcaaattg	ctcttcacct	cga		1123

```

<210> 6045
<211> 2213
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1792)...(178)
<223> similar to gi4210363 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

<400> 6045						
tttttttttt	ttaactaaaa	tggtcacttt	taatgggaac	cagaggtata	gttacaatta	60
catagtccga	cacaaaaaaa	cccttggggtg	atcaggaatt	ggaaggttac	aaaataacga	120
gggtaacact	gggtacagga	caaaaagctg	ttccagaacc	tggggagcca	ggctaattaa	180
tacggcctct	ccctgcgata	ctgtctgtgc	tcacccttgg	aatccatctt	gccagggcca	240
aagccacctc	tgtccccacc	accccggccc	cctcgggaagc	ctccacggtc	cccgccgcgg	300
ccccggtagc	cgctcgcata	atagcctcct	ctgccaccac	gacgatcatc	cccgtagtta	360
ccccccatgt	gagagccacc	tgggtccccct	cctggggccat	ctgggtttagg	ggccttacac	420
tggttgcatt	cattcctcca	agagaagtgc	atattctcac	aggtgggatt	aggacacttc	480
cagtcaccag	ctcgtctgtg	tcctccaccg	ccaccacctc	cactgggaaa	tcctcctcgg	540
ccaccaccac	cactgccacc	acctccatag	cctccacggc	ccatgggtcc	tcctcgccct	600
cggcctccac	gaccattgcc	accaccccga	ttaaagtctg	cccggcgagt	agcaaataag	660
accttgatag	gatttccgga	gaattcttta	ccatcaaacc	agtcaatagc	tgcttttagct	720
gaaggtgggt	catcaaaaaga	gaccgttgcc	tctcccttca	gcttgccagt	ttccctgtct	780
gtgtacaaat	taatcatggg	ctgtcccgtt	ttcttggttg	tcttaataat	accaatctgc	840
ttgaagtaat	cagccacaga	ctcaattgta	acattctcac	ccaggccttg	cacaaagatg	900
gtgttggtgt	ctgaattatc	ctgttcggag	tcatgacgtg	atccttggtc	ccgagggcca	960
ccaaatttat	tgaagccacc	acggtcactt	ccgcccatgc	cacctctgcc	tccacggcca	1020
cctccacgac	ctctgggttc	atagccacca	ctgctgcggt	tgtaaccagc	agcgccgcgg	1080
cgagccgcgg	ccaccactgc	cacccttgca	gcggcctcca	cggtcctggc	tgtcgatagc	1140
cacggctgcc	agctgcacca	gtctgggtct	gattgccata	accaccacca	ccaccactgc	1200
cgccgcggcc	gccacctccg	ccgccaccac	cactaccact	catggaggat	tgatcttggc	1260
catagctacc	tccacctcca	cctccacctc	caccaccact	gctgctgttg	tactggttct	1320
gctgtccata	gcctcgaggg	ggattatagc	tttgctgctg	tccatagctt	tgctgctgtc	1380
caccatagct	aggctgctgg	ctgtagctcc	cactctgggg	ctgcccatag	ctgctgtctc	1440
gagaactgct	accgtaactt	cccagaggtg	tgctgggagc	tggctgctgg	ccatagccag	1500
gataggagga	ctgctgcccg	taagacgatt	gggagctctg	gctactgcca	tagccgccag	1560
tcgagccata	tccctgggga	gttgactgag	ttccatagct	gttctggctc	tggccataag	1620
aagaatagct	gctctggcca	tagcctgaag	tgtccgtgga	ctggctataa	ccactgtaac	1680
tctgctgtcc	gtagggctga	ctgctctgct	gggaatagcc	ctgcccgggc	tgggtgggggt	1740
aggccccata	gctttggggt	gcttggtggg	tataatcggt	tgaggccatg	tccgcgcacg	1800
cgcgcacagg	caagcaagca	acgaagtcc	aacaccgctg	agcaccgacg	cctggaggac	1860

09486725.012100

tgagcagccc	cgctcctgc	gtcgaagctt	aagtacgctc	cgccgcctac	gcaccgcgca	1920
ggcgcgcacc	aaacgcggaa	gagcaggggg	aggcaggaac	gcactccgcc	cccttcgtag	1980
ggcaggtaga	gggtccgagc	aggcagaagg	gaaacaagtt	aactagaatc	atgcgaatac	2040
tatacataat	catatTTTTT	gaggaagaac	ccctctctcc	tcggcaggac	tagcccacga	2100
tctatctcca	cccccatgaa	ggcacagtgg	tacggcctga	gtgcccgtg	ggggcggggc	2160
gagggggcgg	tcccggcggc	tggggacgaa	actggagtca	cagccgggga	gag	2213

```

<210> 6046
<211> 1943
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (169)...(1601)
<223> similar to gil504042 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

09403735.012109

<400>	6046					
tcatcataac	ttatgttcca	tatTTTTTaa	cccacatcac	tcttgaaatc	gactgttcag	60
ttgatgtgca	ggcttttaca	ggataagcgc	taccagtgtg	tctattcctt	ggcagaaatc	120
tttaagggtcc	tggcttcatt	ttatgtcatt	ttggttatac	tttatggtct	gacctcttcc	180
tacagcctgt	ggtggatgct	gaggagtccc	ctgaagcaat	attcctttga	ggcgttaaga	240
gaaaaaagca	actacagtga	catccctgat	gtcaagaatg	actttgcctt	catccttcat	300
ctggctgatc	agtatgatcc	tctttattcc	aaacgcttct	ccatattcct	atcagaggtc	360
agtgagaaca	aactgaaaca	gatcaacctc	aataatgaat	ggacagttga	gaaactgaaa	420
agtaagcttg	tgaaaaatgc	ccaggacaag	atagaactgc	atctttttat	gctcaacggt	480
cttcagaca	atgtctttga	gttaactgaa	atggaagtgc	taagcctgga	gcttatccca	540
gaggtgaagc	tgccctctgc	agtctcacag	ctggtcaacc	tcaaggagct	tcgtgtgtac	600
cattcatctc	tggctgtaga	ccatcctgca	ctggcctttc	tagaggagaa	tttaaaaatc	660
ctccgcctga	aatttactga	aatgggaaaa	atcccacgct	gggtatttca	cctcaagaat	720
ctcaaggaac	tttatctttc	gggctgtggt	ctccctgaac	agttgagtac	tatgcagttg	780
gagggccttc	aggacttaaa	aaatctaagg	accctgtact	tgaagagcag	cctctcccgg	840
atcccacaag	ttgttacaga	cctcctgcct	tcattgcaga	aactgtccct	tgataatgag	900
ggaagcaaac	tggttgtggt	gaacaacttg	aaaaagatgg	tcaatctgaa	aagcctagaa	960
ctgatcagct	gtgacctgga	acgcatccca	cattccattt	tcagcctgaa	taatttgcac	1020
gagttagacc	taagggaaaa	taaccttaaa	actgtggaag	agatcattag	ctttcagcat	1080
cttcagaatc	tttcctgctt	aaagttgtgg	cacaataaca	ttgcttata	tcctgcacag	1140
attggggcat	tatctaacct	agagcagctc	tctttggacc	ataataatat	tgagaatctg	1200
cccttgacgc	ttttcctatg	cactaaacta	cattatttgg	atctaagcta	taaccacttg	1260
accttcattc	cagaggaaat	ccagtatctg	tagtaatttg	cagtactttg	ctgtgaccaa	1320
caacaatatt	gagatgctac	cagatgggct	gtttcagtgc	aaaaagctgc	agtgtttact	1380
tttggggaaa	aatagcttga	tgaatttgct	ccctcatgtg	ggtgagctgt	caaaccttac	1440
tcatcgggag	cccatggggt	aattacctgg	aaacacttcc	tcctgaacta	gaaggatgtc	1500
agtccctaaa	acggaactgt	ctgattgttg	aggagaactt	gctcaatact	cttcctctcc	1560
ctgtaacaga	acgtttacag	acgtgcttag	acaaatgttg	acttaaagaa	aagagacccg	1620
tgtttcaaaa	tcatttttaa	aagtatgctc	ggccgggcgt	ggtggctcat	gcctataatc	1680
ccagcacttt	gggaggccaa	gatgggcgga	ttgcttgagg	tcaggagttc	gagaccagtc	1740
tggccaacct	ggtgaaaccc	catctctgct	aaaactacaa	aaaaattagc	caggcgtggt	1800
ggcgtgcgcc	tgtaatccca	gctacttggg	aggctgacgc	aggggaattg	cttgaaccag	1860

ggaggtggag gttgcagtga gccgagattg tgccactgta caccagcctg ggtgacagag 1920  
 caagactctt atctcaaaaa aaa 1943

<210> 6047  
 <211> 1917  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(1918)  
 <223> n = a,t,c or g

<220>  
 <221> misc\_feature  
 <222> (97)...(846)  
 <223> similar to gi4929707 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 6047  
 aaatcgactc gctcgggtgtt cgccccgccga cgccgcacgg cttgctgggg ctgggctctt 60  
 cctcgcgga gttggggagga ggcgggttgcg gttagtggac cgggaccggt aggggtgctg 120  
 ttgccatcat ggctgacccc gacccccggg accctcgctc ctcgatcgag gacgacttca 180  
 actatggcag cagcgtggcc tccgccaccg tgcacatccg aatggccttt ctgagaaaag 240  
 tctacagcat tctttctctg caggttctct taactacagt gacttcaaca gtttttttat 300  
 actttgagtc tgtacggaca tttgtacatg agagtccctgc ctttaattttg ctggttgccc 360  
 tcggatctct gggtttgatt tttgcgttga ttttaaacag acataagtat ccccttaacc 420  
 tgtacctact ttttggtatt acgctgttgg aagctctgac tgtggcagtt gttgttactt 480  
 tctatgatgt atatatatt ctgcaagctt tcatactgac tactacagta ttttttggtt 540  
 tgactgtgta tactctacaa tctaagaagg atttcagcaa atttgagca gggctgtttg 600  
 ctcttttgtg gatattgtgc ctgtcaggat tcttgaagtt ttttttttat agtgagataa 660  
 tggagttggt cttagccgct gcaggagccc ttcttttctg tggattcatc atctatgaca 720  
 cacactcact gatgcataaa ctgtcacctg aagagtacgt attagctgcc atcagcctct 780  
 acttgatat catcaatcta ttccctgcacc tgttacggtt tctggaagca gttaataaaa 840  
 agtaattaaa agtatctcag ctcaactgaa gaacaacaaa aaaaatttaa cgagaaaaaa 900  
 ggattaaagt aattggaagc agtatataga aactgtttca ttaagtaata agtttgaaa 960  
 caatgattaa atactgttac aatctttatt tgtatcatat gtaattttga gagctttaa 1020  
 atcttactat tctttatgat acctcatttc taaatccttg atttaggatc tcagttaaga 1080  
 gctatcaaaa ttctattaaa aatgcttttc tggctgggca cagtggctca cgctgtaat 1140  
 cccaccactt tgggagaccg aggcagggtg atcacgaggt caagagaaag ttaccatcct 1200  
 ggctaatacg gngaaccctc atctctacta aaaatacaag aagattagct ggctgtggtg 1260  
 gcatgcacct gtgggtcccg ctactcggga ggctgaggca ggagaatcgc ttgaaccggg 1320  
 gaggtggagg ttgcattgag ccaagatcac gccactgcat tccagcctgg tgacagagcg 1380  
 agactcagtc tcaaaaaaaa tttaacgaga aaaaaggatt aaagtaattg gaagcagtat 1440  
 atagaaactg tttcatlaag taataaagtt tgaacaatg attaaatact gttacaatct 1500  
 ttatttgtat catatgtaat tttgagagct ttaaaatctt actattcttt atgatacctc 1560  
 atttctaaat ccttgattta ggatctcagt taagagctat caaaattcta ttaaaaatgc 1620  
 ttttctggct gggcacagtg gctcacgcct gtaatcccac cactttggga gaccgaggca 1680  
 ggtggatcac gaggtcaaga ggttgagacc atcctggcca acatggtgaa acccgcctc 1740  
 tactaaaaat acaaaaatta gctggatgtg gtggcacaca cctgtagtcc cagctagtca 1800

0943675.01200

agaggctgag	gccagagaat	cgcttgaacc	tgggaggtgg	aggttgcatt	gagccaagat	1860
cacgccactg	cattccagcc	tgggtgacaga	gcgagactca	gtctcaaaaa	aaaaaaa	1917

<210> 6048

<211> 1980

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (461)...(1866)

<223> similar to gi5738138 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 6048

attttaaata	cacacaccca	gggggctctg	ccccctgtaa	aagaaaaaaa	atcaaaacaa	60
acaaataaat	aaccccaaag	agatggaccc	aggggagAAC	gcgtaagtgt	gaggggcatg	120
agtatacacg	agtgtgcgtg	tctttccctc	tcccttattt	gtctccgtat	gagtctctcc	180
ttgtaccctc	cccctgcctc	gatgatatta	ctccccaga	cttggaaGCC	gctgccagag	240
tgacgctttg	atggtatctg	caagcgtttt	tgtctgattt	atctctgccc	cctgaatatt	300
aattccctaa	tctggtagca	atccatctcc	ccagtgaagg	acctactaga	ggcaggtggg	360
gggagccacc	atcagatcat	aagcataaga	ataatacaaa	ggggagggat	tcttctgcaa	420
ccaagaggca	agaggcgaga	gaaggaaaaa	aaaaaaagcg	atgagttcgc	caaatatatg	480
gagcacagga	agctcagtct	actcgactcc	tgtattttca	cagaaaatga	cggtgtggat	540
tctgctcctg	ctgtcgctct	accctggctt	cactagccag	aaatctgatg	atgactatga	600
agattatgct	tctaacaaaa	catgggtctt	gactccaaaa	gttcctgagg	gtgatgtcac	660
tgtcatctta	aacaacctgc	tggaaggata	tgacaataaa	cttcggcctg	atataggagt	720
gaagccaacg	ttaattcaca	cagacatgta	tgtgaatagc	attggtccag	tgaatgctat	780
caatatggaa	tacactattg	atatattttt	tgcgcaaacg	tggtagaca	gacgtttgaa	840
atttaacagc	accattaaag	tcttccgatt	gaacagcaac	atggtgggga	aaatctggat	900
tccagacact	ttcttcagaa	attccaaaaa	agctgatgca	cactggatca	ccacccccaa	960
caggatgctg	agaatttgga	atgatggtcg	agtgtcttac	tccctaagggt	tgacaattga	1020
tgctgagtgC	caattacaat	tgcacaattt	tccaatggat	gaacactcct	gccccttgga	1080
gttctccagt	tatggctatc	cacgtgaaga	aattgtttat	caatggaagc	gaagtctctgt	1140
tgaagtgggc	gacacaagat	cctggaggct	ttatcaattc	tcatttgttg	gtctaagaaa	1200
taccaccgaa	gtagtgaaga	caacttccgg	agattatgtg	gtcatgtctg	tctactttga	1260
tctgagcaga	agaatgggat	actttacat	ccagacctat	atcccctgca	cactcattgt	1320
cgtcctatcc	tgggtgtctt	tctggatcaa	taaggatgct	gttccagcca	gaacatcttt	1380
aaaggtaccc	actgtcctga	caatgaccac	cctcagcacc	attgcccgga	aatcgctccc	1440
caaggtctcc	tatgtcacag	cgatggatct	ctttgtatct	gtttgtttca	tctttgtctt	1500
ctctgctctg	gtggagtatg	ggcaccttgc	attattttgt	cagcaaccgg	aaaccaagca	1560
aggacaaaga	taaaaagaag	aaaaaccctg	cccctaccat	tgatatccgc	ccaagctcag	1620
caaccattca	aatgaataat	gctacacacc	ttcaagagag	agatgaagag	tacggctatg	1680
agtgtctgga	cggcaaggac	tgtgccagtt	ttttctgctg	ttttgaagat	tgtcgaacag	1740
gagcttgag	acatgggagg	atacatatcc	gcattgccaa	aatggactcc	tatgctcgga	1800
tcttcttccc	cactgccttc	tgcctgttta	atctggtcta	ttgggtctcc	tacctctacc	1860
tgtgaggagg	tatgggtttt	actgatatgg	ttcttattca	ctgagtctca	tggagagatg	1920
tctgttctaa	gtccacttaa	ataatcctct	atgtggttga	taagtatctg	aatctgtttc	1980

09483725.012100

<210> 6049  
 <211> 1404  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (90)...(1396)  
 <223> similar to gi5901572 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 6049

gtttcagagg	gagtacacgt	aaggggcaaa	agcagcaacg	gaatacgaca	acggaataag	60
catgaatacg	acctggctac	ctgaaggagg	tacaagaaaa	ttccccagga	cacagagctg	120
gtttggagcc	tttctttgat	tttattgttt	ctattaatgg	ttcaagatta	aataaagaca	180
atgacactct	taaggatctg	ctgaaagcaa	acgttgaaaa	gcctgtaaag	atgcttatct	240
atagcagcaa	aacattggaa	ctgcgagaga	cctcagtcac	accaagtaac	ctgtggggcg	300
gccagggctt	attgggagtg	agcattcggt	tctgcagctt	tgatggggca	aatgaaaatg	360
tttggcatgt	gctggagggtg	gaatcaaatt	ctcctgcagc	actggcaggt	cttagaccac	420
acagtgatta	tataattgga	gcagatacag	tcatgaatga	gtctgaagat	ctattcagcc	480
ttatcgaaac	acatgaagca	aaaccattga	aactgtatgt	gtacaacaca	gacactgata	540
actgtcgaga	agtgattatt	acaccaaatt	ctgcatgggg	tgagagaaggc	agcctaggat	600
gtggcattgg	atatggttat	ttgcatcgaa	tacctacacg	cccatttgag	gaaggaaaga	660
aaatttctct	tccaggacaa	atggctggta	cacctattac	acctcttaaa	gatgggttta	720
cagagggtcca	gctgtcctca	gttaatcccc	cgtctttgtc	accaccagga	actacaggaa	780
ttgaacagag	tctgactgga	ctttctatta	gctcaactcc	caccagctgt	cagtagtggt	840
ctcagtacag	gtgtaccaac	agtaccagtt	attgccacca	caagtaaacc	agtccctcac	900
ttctgtgcca	ccaatggaat	ccagctactt	acatttaccg	gggtctgatgc	cttttaccag	960
gcagggactg	cccaaccttc	cccaaccttc	aaccttcaac	cttcccaggc	accacacatt	1020
catggccggg	ggttgggctt	taccaggaat	ttgttaaacc	cgggggttttg	ccacctcttt	1080
cttccatgcc	tccccgaaac	ttacctgggc	attgcacctc	tccccctgcc	atccgagttc	1140
ctcccgtcat	tccccttggt	tccagagagc	tcttctgcag	caagctcagg	agagctgctg	1200
tcttccctcc	cgcccaccag	caacgcaccc	tctgacctg	ccacaactac	tgcaaaggca	1260
gacgtgcct	cctcactcac	tgtggatgtg	acgcccccca	ctgccaaggc	ccccaccacc	1320
gttgaggaca	gagtcggcga	ctccacccca	gtcagcgaga	agcctgtttc	tgcggctgtg	1380
gatgccaatg	cttctgagtc	acct				1404

<210> 6050  
 <211> 3864  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (391)...(2682)  
 <223> similar to gi3493660 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

```

<400> 6050
cagagaacgt ttgtctgcct gatgagagcc acttgggtta agaaactacc tgtgaatagt      60
catcatttct gtccttcatt ggggaatact tttagaggcc agtttccaaa aattctgcct      120
aaaaaagaat tctggttttg tcttactctt ccagatgaga tatcacagag gcttgggcct      180
agattgtcat cagcatactg ctatactatt cgtttgttct tattaagcct tattgtgtgt      240
aatgctgtta ctttttcaga gtgttgcgga gataggaaca tgggagagaa acaatctggg      300
taacatgaaa gtgatgctgg ttgctaaggg aaggcaactt gattctgtgg gaagggctgt      360
agctgatcca tccgttgtct agatttgagt atgagcacag tggaaagagga ttctgacaca      420
gtaacagtag aaactgtgaa ctctgtgact ttgactcagg acacagaagg gaatctcatt      480
cttactgcc ctcagaatga agcggatgaa atagactcag aagatagtat tgaacctcca      540
cataaaaaggc tttgtttgtc ctctgaggat gatcagagta ttgatgattc tactccttgc      600
atatcagttg ttgcacttcc actttcagaa aatgatcaga gctttgaagt gaccatgact      660
gcgaccacag aagtagcaga tgatgaggtt actgagggga ctgtgacaca gatacagatt      720
ttgcagaatg agcaactaga tgaaatatct cccttgggta acgaggaagt ttcagcagtt      780
agccaagcat ggtttacaac taaagaagat aaggattctc tgactaataa aggacataaa      840
tggaagcagg ggatgtggtc caaggaagaa attgataatt tgatgaacaa tattgaacgc      900
tatcttaagg cacgcggaat aaaagatgct acagaaatca tctttgagat gtcaaaagac      960
gaaagaaaaa atttctacag gactatagca tggggtctga accggccttt gtttgcagtt     1020
tatagaagag tgcttcgcat gtatgatgac agaaaccatg tgggaaaata tacacctgaa     1080
gaaattgaga agctcaagga gctccggata aagcatggca atgactgggc aacaataggg     1140
gcggcgctag gaagaagtgc atcttctgtc aaagatcggg gccgactgat gaaggatact     1200
tgcaacacag ggaagtggac agaagaagaa gaaaagagac ttgcagaagt ggttcatgag     1260
ttgacaagca ctgagcccag gtgacatagt cacacagggt gtgtcttggg cagctgtggc     1320
tgaacgagtc ggtaccgct cagaaaagca atgtcgttct aaatggctca actacctgaa     1380
ttggaaacag agtgggggta ctgaatggac caaggaagat gaaatcaatc tcatcctcag     1440
gatagcagaa cttgatgtag ctgatgaaaa tgacattaac tgggatctgt tagctgaggg     1500
atggagtagt gtccgttcac cacaatggct acgaagtaaa tgggtggacca tcaaaaggca     1560
aattgcaaac cataaggatg tttcgttccc tgtcttaata aaaggtctta aacagttaca     1620
tgagaaccaa aaaaacaacc caacgctttt ggagaataaaa tcaggatctg gagttccaaa     1680
cagtaatacc aattccagtg tgcagcatgt tcagataaga gttgcccgtt tggaaagataa     1740
tacagccatc tcttctagcc ccatggcagc attgcagatt ccagtcagga tcacccatgt     1800
ttcttcagca gactctcctg ctaccgttga ctcagaaaca ataactacta acagtggaac     1860
actacagaca tttgagattc ttccctcttt ccatctacag cccactggca ctccaggcac     1920
ctacctactt caaacaagct caagccaagg ccttccccta actctgactg ctagtccac     1980
agtaaccctg acagctgctg ctctgcttc tctgaacag attattgttc atgctttatc     2040
cccagaacat ttgttgaaca caagtataaa tgttacaggt gcagtgtcac acaccaagag     2100
tcatcattca gactgttgcc acagaggaca tcacttcttc catatcccaa ggcaggaact     2160
gaccgtcgat agtgatattc agttcattct ggattttcct gagcctccag acgccctaga     2220
aggcaaacac tttcccagat gaaattcatc accctaagat gactgtggag ccatcattta     2280
atgatgctca tgtatccaaa ttcagtgacc aaaatagcac agaactgatg aatagtgtta     2340
tggtcagaac agaaaaagaa atctctgaca ccgaccttaa acaagaggaa tcaccctctg     2400
atttagccag tgcttatggt actgaagggt tagagtcttc cactatagaa gaacaagttg     2460
atcaaacaaat tgatgatgaa acaatactta tcgttcttcc accacatggc tttatccagg     2520
catctgatgt tatagatact gaatctgtct tgcctttgac aacactaaca gatcccatcag     2580
tccaacatca tcaggaagaa tcaaatatca ttggatcatc cttgggcagt cctgtttcag     2640
aagattcaaa ggatgtcgaa gatttggtta actgtcatta gaataattct tagaaatagg     2700
cagttcaagc aaagaaggca cactgttaat tacaacctct tcaaagaaat aggagcaacc     2760
ccaagagggc ttaatttacc aatttaaata gccacagtcc ttaagccaca cacattgttg     2820
ctgctatgac tttttacctc ctttaaacac atcatctgag gttgagtttt atgacagtat     2880
gtagttgagt ggaggctggg agttttaagc ataaatccct gtttagtggt acatgggaat     2940
aaggaatttc attcacttca gccactaaga aaagtttaga atcacgaaag cttactgct     3000
gtgggtttaa gtacagtttc tctaaagatc agacatggca ctgtctctc tcaagcctgg     3060
ttgtagttca gatgagtctt ttcaacatgg tcttcaacat ggtctagagc ttaccagtga     3120

```

tcttctgac	ttcaagaaga	ctaagtttga	gacttgacca	gcatacaagt	atagagacct	3180
aggaggtggt	cttgtggtgg	tacatttggg	taaccattg	ctggcagtgg	gagctgattt	3240
aggcagggtg	aacaggaaa	cattaaaagt	taaaattcac	tacaggtttt	ttgttacttt	3300
taaagggagt	atggataagc	atagtaacaa	aaccaccag	aatctaagca	gttttcaccc	3360
cctcagaaac	cactgtcatt	agtttacaaa	gttagcactt	tgaagtaaaa	ctaaatgagg	3420
aaggaagtaa	tgttacctat	ccttgatacc	atgaccattt	attagatgtt	ttgctatata	3480
aattaccgag	agaatagttt	gtcatccact	tagtgtgtta	gctggtgggg	tacaatataa	3540
cctctcatct	caggctattt	taaaaaaaca	atatttgctt	ctataacaaa	aggaaacaaa	3600
tctaagaatc	attcctgtac	tacagaaggg	ttaaggcaaa	ggtagccttt	tgggcttttt	3660
aatgaatatg	accctatatg	aaaagtcaag	aaaaaaaaac	ccttgataaa	attattttat	3720
ttattattgt	aattagatct	tcacaaagtt	gtcttttcac	tgtgttttgt	caacgtgaaa	3780
ttaaattgta	gttataagca	aaagttgggt	gcctagggaa	caattgtata	ttcagtttaa	3840
cagaaataaa	agaatatattg	tctt				3864

<210> 6051  
 <211> 2165  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <221> misc\_feature  
 <222> (508)...(718)  
 <223> similar to gil938351 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 6051	
acggggctgt	acgagctggt
ctcacctcct	ggctccgcgt
cgcgcgcgtc	tgccgcggtc
tcggcaggaa	ccgcgcgtcac
caccaccgga	tgcgctggcg
ggcctggtga	tcaccgaggt
gtgtggtgta	tggccgtggg
aaaagaaata	attccagatt
ctagattggt	caaaatactc
ttaaattgcc	atttggcagt
agagctgctc	aggacttttg
gatgtagata	cgttagccag
ttgaagtctg	gtcctgtgga
gagattgtct	ctttgccttc
cgtcaatatg	cagcctgtga
gatctgaggc	ttatggagga
aaccctgtac	acacctatga
aacaaacaca	aagaagtgtc
acacatgtgc	acgtttgtat
aatacataga	cctacaactt
acttaataaa	gtcttcagcc
tagaactggt	ctgggtgtgt
gaccaaactt	taatttttaa
gaaaggagct	ccagaggagt
gtggcggggtg	ctgcacgcgc
acctggaact	ggatctggcg
tcggcttcac	gctccgcaag
cgcgcggggg	gtacgtgcct
cgttccttgg	agaagctgcc
cggacatcgc	gagcctcgtg
acgaccacca	aggtattttc
aacagcaaga	acttctgggc
atgacaaaaga	tgatcaagtt
atggaaaagc	agatattgta
aaaagagacc	cacagatttg
gtcctgatcc	tgatttagta
cctggcacat	cagattgact
aggacttttt	ctctgccctt
ggtaagtagt	ggcattgggt
tgtttacaaa	gcacctatga
cataatcctc	ataatttatc
gtgtgtgcgt	gtgtgcgtgc
ggggacgtgt	tggagaagga
tttaggaact	gaaatgtcac
tggggagaag	agggcctgat
tttgttcagt	ccttcttagt
gaactgaagc	attctgagtt
tggtaaaatc	ttgctcacct

tcagagcaga	gggaataacct	atcttcagat	atccgtccat	tttcatctct	taattgtagt	1500
caaaagtatg	acttgagagt	gttgctctgg	tattctgggt	tctgaagtct	ggtattcttg	1560
tattctgggt	tcaaaagtat	gacttgagag	tggtgctctg	gtattctgag	agttgctctg	1620
tattctgggt	tctgaagatt	atttgaaaaa	taactcctac	tacattgaaa	tgagactta	1680
aaaattttaa	cattggatta	ggcagtcaaa	aaaaccaagc	aagcataaaa	ggtcaataag	1740
ttgtaatctt	gatagtaaag	gtggaaaaact	tattataaat	ggaaagaaaag	ttttatttcc	1800
ttttttgttt	gatgggcagt	atgccatatt	atacccaaag	ttctttttaa	aaatatttcc	1860
atcaaccatt	tttattttaa	ataaacatatt	gagggaagtt	accaaggcag	cttttttcct	1920
caaaagtaac	ctgttcctct	ttggaatagc	acatttttag	ggcatgggta	atacctgaga	1980
tttttactca	gtaaatcctg	atggttactg	tgtgtaaaat	atctttaagt	aggattgaag	2040
gcctctgtgg	gggaataaaa	tattaccaa	gtctataaaa	ataaatTTTA	catgttctct	2100
tttatgacag	agagcagcac	tggttctgtt	attttttaa	tgaataattg	atttcttgat	2160
agggtg						2165

<210> 6052  
 <211> 6685  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <221> misc feature  
 <222> (297)...(3455)  
 <223> similar to gi3413868 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 6052	
gacagcctgg	gcataccata tatctcctgc caactgtggt aatctgcaac ttgctaccct 60
gtgaacttga	tttttatgtt aaaggaatgc caattaatgg gacgctgaaa cctggcaagg 120
aggcagctct	ccatacagct gatacatccc agaacattga gctgggggta tcaactggaga 180
atttccccct	ctgtaaagaa ttgctcattc cacctggaac ccaaaactat atggtgagaa 240
tgcgactcta	tgacgtcaac cgtcggcagc tgaacctcac catccggatt gtgtgtcgag 300
cagaaggatc	cttaaagatc ttcatTTctg ctccatattg gctgattaac aaaacagggt 360
tgccactgat	cttcagacag gacaatgcca agacagatgc tgcaggccag tttgaggagc 420
atgagctggc	ccgtagcctg agtctctctt tattctgcta tgctgacaaa gagcagccaa 480
acctctgcac	gatgagaatc ggaaggggga ttcattccaga aggcatgccg ggctggtgtc 540
agggtcttct	cctggatggg ggtagtgggt tccgagcttt gaaagtcatc cagcaaggaa 600
accgcccagg	gctgatctat aacattggta ttgatgtcaa gaaaggccga ggtcgatata 660
ttgatacctg	catgggtcatc ttgccccccc gttacctgtt agataataaa tcatctcaca 720
agcttgcatt	tgacacagag gaatttgcca ggggacaggg aacagccaat cccgaagggt 780
acatttcac	ccttcctggg tccagtgtgg tgttccactg gcctcggaat gactatgatc 840
agctattgtg	tgtcagactg atggacgttc ccaattgtat ttggtctgga ggctttgaag 900
tcaacaagaa	taattccttc catatcaaca tgagggatac cttgggaaaa tgcttcttcc 960
tacgagtgga	aattactctc cgaggagcta cgtataggat ctcatTTtagt gacacagatc 1020
agttacctcc	tcctttccga attgacaact tttctaagggt cccggttggtc tttactcagc 1080
atggcgtagc	tgaaccaggc ctccggactg aagtgaagcc catgacttca ttggattatg 1140
cctgggacga	acccaccttg ccacctttta tcaactctgac tgttaaaggg gcagggtcct 1200
ctgagatcaa	ctgcaacatg aatgatTTcc aggataatcg gcagctttat tatgaaaatt 1260
tcattttacat	tgctgtctaca tatacattct ctggcttgca ggagggaaca ggcaggcctg 1320
tggtctccaa	caaggccatt acctgtgcgg agctcgTTTT ggatgtctca cccaagacac 1380
aaagagtcac	tttaaaaaag aaggaaccag gaaagcgttc tcagctgtgg aggatgacag 1440



gaacaggaat	gctggcccat	gagggctcct	cagttcctca	caatcccaat	aagccctcag	1500
ccgcccgcct	caccgagggg	tctgccatct	tagatattgc	tggctctcgt	gcagtgcactg	1560
acaacagata	cgagccactg	atgctgagaa	agcctgaccg	caggcgaagc	acaactcaga	1620
cgtggagttt	ccgagaagga	aaactgacct	gtgggttaca	tgggttggtc	gtccaggcca	1680
aaggaggact	ttctggtttg	tttgatggag	ctgaagtigt	tcttggtcct	gacacttcca	1740
tggagctttt	ggggccagtt	ccacctgaac	aacaatttat	taatcaaaaa	atgagacctg	1800
gttctggaat	gttatccatc	agagtcattc	cagatggacc	aactagagca	ctccagataa	1860
cagattttctg	ccaccggaaa	agcagccgtt	catatgaagt	ggatgaactt	cctgtcaccg	1920
aacaagagct	gcagaaatta	aagaatccag	atacagagca	ggaattggaa	gtgcttgtga	1980
ggttagaagg	tgggaattggg	ttgtccttaa	ttaataaagt	cccagaagaa	ctggtctttg	2040
caagtcttac	aggaatcaat	gtgcactata	cacagctggc	aaccagtcac	atgcttgaac	2100
tcagcataca	ggatgtacag	gtggacaatc	agctcattgg	taccacgcag	cccttcatgc	2160
tctatgtgac	tcccctgagc	aatgagaatg	aggctcatcg	gaccggccca	gctgtgcaag	2220
tcaacgcagt	gaagtcccc	agtaagagt	cactgaccaa	catctacaag	catctgatga	2280
tcacagctca	gagattcaca	gtgcaaattg	aggagaaact	gctcctcaag	ctgctaagtt	2340
tctttggcta	cgatcaagca	gaatcagagg	tggaaaaata	tgatgaaaac	ctccatgaaa	2400
agacagctga	gcaaggtgga	acaccaattc	gatactactt	tgaaaatctc	aaaatcagca	2460
ttcctcagat	caagctaagt	gtgttcacct	ccaacaagct	cccattggat	cttaaggccc	2520
taaaaagcac	cttgggggtt	cctttgatac	ggtttgaaga	cgctgtgatt	aatctagatc	2580
cattcactcg	ggtacatccc	tatgagacca	aggagttcat	catcaatgat	atcctcaaac	2640
atttccagga	ggaactcctc	agccaggcag	ctcgaatcct	gggatcagt	gattttcttg	2700
gcaatcctat	ggggcttttg	aatgatgttt	ctgaaggggt	tactggactg	ataaaatatg	2760
gaaatgtcgg	gggcctcatc	agaaatgtta	cacacggagt	atcaaactct	gctgccaa	2820
ttgctggaac	attatcagat	ggcttaggga	agacgatgga	caatcggcat	cagtgcagagc	2880
gggagtacat	caggtaccat	gcagccacaa	gtggtgaaca	ccttgtagcc	ggcatccatg	2940
gcctggctca	tggatatcatt	ggtggactga	ccagtgttat	aacttcgaca	gtggaagggtg	3000
tgaaaacaga	agggggtgtc	agcgggtttc	tatctggcct	tggaaaagg	cttggttgga	3060
ctgtaaccaa	gccagtggca	ggcgccctgg	atcttgcatc	agaaacagcc	caggcggtga	3120
gagacacagc	cacactcagc	ggccccagga	ctcaagcaca	gagggttcgg	aaaccgcgtt	3180
gtgcacggg	gccccagggg	ctgcttcccc	gatattctga	gagccaggcg	gaaggacagg	3240
agcagctctt	caaactcaca	gacaacatac	aggacgaatt	cttcatcgct	gtggagaaca	3300
ttgacagcta	ctgcgtgtct	atctcctcca	aagctgttta	cttctgaaa	agtggagact	3360
acgtggatcg	agaagccatt	ttcctagaag	tcaaatacga	tgacctctac	cactgccttg	3420
tctccaaaga	ccatgggaag	gtgtatgtgc	agggtgacaa	gaaagccgtg	agcacgagca	3480
gtggagtgtc	catccccggc	ccctcccacc	agaagcccat	ggtccatgtg	aaatctgagg	3540
tccttgctgt	caagttgtca	caagaaataa	actacgcaaa	gagcctctac	tatgaacagc	3600
agcttatgtt	aagactcagc	gaaaaccgag	agcagctgga	gctggactcc	tgaagccccg	3660
ctgctgagat	gggcgtctcc	gacacagcgc	agaccaccca	ggaggaaaga	ggcccagctc	3720
tcagctgacg	atggaggcag	aaccggagtc	gggtttgggg	aagttgtcaa	ggaatgaggg	3780
aaagtaaata	ctcatgagga	aaagtacaaa	tggaaatcgt	attaatttgt	gaggcaggga	3840
gttattttag	attatgggaa	ataattttta	aaggtatttg	ttaaataacg	tttaaaaaca	3900
tgtactgaga	tgaatcta	tttttagattg	ccctgtattt	tgtaaatac	tatatatgta	3960
caacagtgtg	tttgtaaata	tataggaacg	tttctgaaca	gggtctgtgc	tatgtgtaaa	4020
ggtttgttaa	ctgtaaagta	atataaagtt	atattggatc	ttctattgca	ctaattctag	4080
atgtctaatt	caggatactg	tctatagaaa	ggcattctta	aaagttaaag	aatgttacgt	4140
cttagttttg	gagactaaag	tattcccagt	aaagtgggtt	gagggtgagg	ctgtggtcct	4200
gaaagggacg	cccttgacat	cgtggctgtc	cagttgggct	gtgagctgtg	gcacccagga	4260
ctggcgctgg	cccttcagaa	ggatctagga	gaggggcttg	ggagcccact	tttaatttct	4320
cacccccatt	ttacaaagag	tgcttagatt	cttacaaatt	atgatgtaag	ttatccattt	4380
ggctttttcc	taactagtct	taccaaactt	agggggaaac	ctgtgctcca	ttaccacatg	4440
ggtgcaagtc	agcattgtaa	gttttctcag	gttattatta	ttagagaggt	tggaaacatt	4500
ggtaaactct	gttgattgag	aaggaaaaaa	aaaagtcccc	attgaactgt	tgcaacaaat	4560
cagaaatcca	cataaaagt	ctctcctgcc	tgggcagcaa	caaccaagaa	caaagccccg	4620
ggactgtttt	ctttttaata	aagccacagg	caggcatcgt	agctccacag	cccaggggga	4680
cacaggatgg	aaacccagg	atgagaagg	agcagggaga	gttccagaaa	gggggatgaa	4740
ataggagtat	taaaaagctg	cgttggttaag	tttttcatgg	aaccaagatt	tgacaaaggc	4800
atctcttata	cttggtttta	aattcctgct	gggagcaagg	cctggtatga	gcgccttggg	4860

tcttgTTTT	ggtgtttcgc	ttttctgtaa	ggattaagca	gatagggaga	agggaaaagg	4920
ggcctcactt	tagaatgaat	gagtcacctt	gtgattttta	aattttttatt	ttaataaagc	4980
taatcaattt	ctacaacctt	gtcacatgta	gctgagtgctg	ggatgactca	gtggatcagt	5040
ggatgcgtgg	aagggttttg	tgtttataac	tcatgaccca	aatccttcca	agacacaaat	5100
gaagctaata	ttcttcccc	ccctttcctc	tcccacttcc	cctctgtgtc	tgtgtctgtg	5160
tgtgtgtgtg	tgtgtgtgtg	tgtgtgcgcg	cgcgcgcggtg	catgcagaga	ggaagggaagg	5220
gagcttttag	acaagtagct	acatagtgtt	caaggatcag	ctttcttgaa	ctccgaggct	5280
tggttgcctt	tgttgaactc	caagttagtg	gattgcagaa	tggaaacttg	gctttttgcgg	5340
cactgggtga	gttttagttt	gtgtgtgtct	tgtctggggg	tggatgatgat	tgtctcagca	5400
ctcacgcact	gcacaagatg	gcagcaggat	acagcactgc	acaagatggc	agctcctctg	5460
cagcttcctc	ctcagcctcc	ctccttgca	ccccacaggt	ttggcttgtg	gtttttgtca	5520
tcagtaacct	actgcctgag	atcatgatct	cttaaaagat	gagactctcg	gaagggttga	5580
ttgtatgcgt	cagtgcctc	tctatcacct	tctggaacaa	agtcacttga	aatctcttga	5640
tgagattaag	gagtttagtg	ttactaagaa	aatctgcttt	gggccgcagc	agtgtctggg	5700
gttctcagac	ctgactgagg	aagttagctg	cggtctgccc	tgtgggctgg	tgtctcagga	5760
ggaatccaga	gaagtgttca	gatgcccccc	ttgggctcct	ttctaatttt	aatcagctct	5820
ttaaatagct	gcccactctc	tgtgattgca	caaccaagca	ctttgacatt	tgcaccttag	5880
gagaggcaga	tgttaaaatg	gaatccaaag	accacctagg	gcggggctgg	gtgggagatg	5940
ggagggccaa	ctgcgagctg	ctccacttct	cagctctccc	ctgccctgca	gccctgggcc	6000
agacaaggcc	agaagggttc	aggggcattt	gacatcccct	cctgggttctc	accaggaaaa	6060
catccaaagc	tttgaggaga	acaggccctg	cccctggctc	cttaaatgcc	ccgtctcttt	6120
gtaaaactgat	attcagccag	caatgcctaa	gactttgtta	agatcatttc	tactgctttt	6180
ctttctgctt	caaacacaca	gttcgtctct	gaggaaagta	aaataaatgg	aataagagta	6240
aattgggtaa	ggagatatcc	aaagctaccc	agtcccttga	cccagcacag	ttggccgacc	6300
cgtgtcactc	cctggtctgt	gctgcttctc	tgtgctcact	gaagggtgag	ccaggccagt	6360
gcttccccag	cccctgggcc	tggctactac	acagtggaaa	acagacaagc	ggcccccttc	6420
ccaaatccca	agagtgtctt	gctgcttggt	gggtgctcat	cgcaatgttc	tgaaggctcc	6480
agggccactt	tgtttgtaag	tatgatctgg	gcctcaaaat	accatagtag	ctgcttgata	6540
aaattctaaa	aatatctggt	tctctattat	gtaaacacta	ttacagtcac	cagtgtgtga	6600
agactcttga	gtctggttct	catatcagag	tcatcatttt	tcttctctgtg	gaataaaatg	6660
ccttgtggac	ttccccaaaa	aaaaa				6685

<210> 6053

<211> 7028

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (28)...(6148)

<223> similar to gi30186 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 6053

cgtggtttgt	agatgtgctt	ggggagaatg	ggggcctctt	ctccaagaag	cccggagcct	60
gtcgggccgc	cggcgcccgc	tctccccctt	tgtctcgagg	gatccctgct	ggcggttgtg	120
gtgctgcttg	cgctgccggg	ggcctggggg	caatgcaatg	ccccagaatg	ggcttccatt	180
tgccaggcct	accaacctaa	ctgatgagtt	tgagtttccc	attgggacat	atctgaacta	240
tgaatgccgc	cctggttatt	ccggaagacc	gttttctatc	atctgcctaa	aaaactcagt	300
ctggactggt	gctaaggaca	ggtgcagacg	taaatcatgt	cgtaatcctc	cagatcctgt	360

gaatggcatg	gtgcatgtga	tcaaaggcat	ccagttcggg	tcccaaatta	aatattcttg	420
tactaaagga	taccgactca	ttgggttcctc	gtctgccaca	tgcatcatct	caggtgatac	480
tgatcatttg	gataatgaaa	cacctatttg	tgacagaatt	ccttggtggc	tacccccac	540
catcaccaat	ggagatttca	ttagcaccaa	cagagagaat	tttactatg	gatcagtggg	600
gacctaccgc	tgcaatcctg	gaagcggagg	gagaaagggtg	tttgagcttg	tgggtgagcc	660
ctccatatac	tgaccagca	atgacgatca	agtgggcac	tgagcggcc	ccgcccctca	720
gtgcattata	cctaacaaat	gcacgcctcc	aaatgtggaa	aatggaatat	tggatatctga	780
caacagaagc	ttattttcct	taaatgaagt	tgtggagttt	aggtgtcagc	ctggctttgt	840
catgaaagga	ccccgcctg	tgaagtgcc	ggccctgaac	aatgggagc	cggagctacc	900
aagctgctcc	agggatgtc	agccacctcc	agatgtcctg	catgctgagc	gtacccaaag	960
ggacaaggac	aacttttcac	ctgggcagga	agtgttctac	agctgtgagc	ccggctacga	1020
cctcagaggg	gctgctcta	tgcgctgcac	accccaggga	gactggagcc	ctgcagcccc	1080
cacatgtgaa	gtgaaatcct	gtgatgactt	catgggcca	cttcttaatg	gccgtgtgct	1140
atttccagta	aatctccagc	ttggagcaaa	agtggatttt	gtttgtgatg	aaggatttca	1200
attaaaaggc	agctctgcta	gttactgtgt	cttggctgga	atggaaagcc	tttggaaatg	1260
cagtgttcca	gtgtgtgaac	aaatcttttg	tccaagtcct	ccagttattc	ctaattgggag	1320
acacacagga	aaacctctgg	aagtctttcc	ctttggaaaa	gcagtaaatt	acacatgcga	1380
ccccaccca	gacagaggga	cgagcttcga	cctcattgga	gagagcacca	tccgctgcac	1440
aagtgaacct	caagggaatg	gggtttggag	cagccctgcc	cctcgctgtg	gaattctggg	1500
tactgtcaa	gccccagatc	attttctgtt	tgccaagttg	aaaacccaaa	ccaatgcac	1560
tgactttccc	attgggacat	ctttaaagta	cgaatgccgt	cctgagtact	acgggaggcc	1620
attctctatc	acatgtctag	ataacctggg	ctggtcaagt	cccaaagatg	tctgtaaacy	1680
taaatcatgt	aaaactcctc	cagatccagt	gaatggcatg	gtgcatgtga	tcacagacat	1740
ccaggttgga	tccagaatca	actattcttg	tactacaggg	caccgactca	ttggtcactc	1800
atctgctgaa	tgtatcctct	cgggcaatgc	tgccatttgg	agcacgaagc	cgccaatttg	1860
tcaacgaatt	ccttggtggc	tacccccac	catcgccaat	ggagatttca	ttagcaccaa	1920
cagagagaat	tttactatg	gatcagtggg	gacctaccgc	tgcaatcccg	gaagcggagg	1980
gagaaagggtg	tttgagcttg	tgggtgagcc	ctccatatac	tgaccagca	atgacgatca	2040
agtgggcac	tggagcggcc	cggcccctca	gtgcattata	cctaacaaat	gcacgcctcc	2100
aaatgtggaa	aatggaatat	tggatatctga	caacagaagc	ttattttcct	taaatgaagt	2160
tgtggagttt	aggtgtcagc	ctggctttgt	catgaaagga	ccccgcctg	tgaagtcca	2220
ggccctgaac	aaatgggagc	cggagctacc	aagctgctcc	agggatgtc	agccacctcc	2280
agatgtcctg	catgctgagc	gtacccaaag	ggacaaggac	aacttttcac	ccgggcagga	2340
agtgttctac	agctgtgagc	cggctatga	cctcagaggg	gctgctgcta	tgcgctgcac	2400
accccaggga	gactggagcc	ctgcagcccc	cacatgtgaa	gtgaaatcct	gtgatgactt	2460
catgggcca	cttcttaatg	gccgtgtgct	atttccagta	aatctccagc	ttggagcaaa	2520
agtggatttt	gtttgtgatg	aaggatttca	attaaaaggc	agctctgcta	gttattgtgt	2580
cttggctgga	atggaaagcc	tttggaaatg	cagtgttcca	gtgtgtgaac	aaatcttttg	2640
tccaagtct	ccagttattc	ctaattgggag	acacacagga	aaacctctgg	aagtctttcc	2700
ctttggaaaa	gcagtaaatt	acacatgcga	ccccaccca	gacagaggga	cgagcttcga	2760
cctcattgga	gagagcacca	tccgctgcac	aagtgaacct	caagggaatg	gggtttggag	2820
cagccctgcc	cctcgctgtg	gaattctggg	tactgtcaa	gccccagatc	attttctgtt	2880
tgccaagtgtg	aaaacccaaa	ccaatgcac	tgactttccc	attgggacat	ctttaaagta	2940
cgaatgccgt	cctgagtact	acgggaggcc	attctctatc	acatgtctag	ataacctggg	3000
ctggtcaagt	cccaaagatg	tctgtaaacy	taaatcatgt	aaaactcctc	cagatccagt	3060
gaatggcatg	gtgcattgtga	tcacagacat	ccaggttggg	tccagaatca	actattcttg	3120
tactacaggg	caccgactca	ttggctcactc	atctgtgaa	tgtatcctct	caggcaatac	3180
tgccatttgg	agcacgaagc	cgccaatttg	tcaacgaatt	ccttggtggc	tacccccaac	3240
catcgccaat	ggagatttca	ttagcaccaa	cagagagaat	tttactatg	gatcagtggg	3300
gacctaccgc	tgcaatcctg	gaagcagagg	gagaaagggtg	tttgagcttg	tgggtgagcc	3360
ctccatatac	tgaccagca	atgacgatca	agtgggcac	tgagcggcc	ccgcccctca	3420
gtgcattata	cctaacaaat	gcacgcctcc	aaatgtggaa	aatggaatat	tggatatctga	3480
caacagaagc	ttattttcct	taaatgaagt	tgtggagttt	aggtgtcagc	ctggctttgt	3540
catgaaagga	ccccgcctg	tgaagtgcc	ggccctgaac	aatgggagc	cagagttacc	3600
aagctgctcc	aggggtgtgtc	agccgcctcc	agaaatcctg	catggtgagc	atacccaaag	3660
ccatcaggac	aacttttcac	ctgggcagga	agtgttctac	agctgtgagc	ctggctatga	3720
cctcagaggg	gctgctctc	tgactgcac	accccaggga	gactggagcc	ctgaagcccc	3780

gagatgtgca	gtgaaatcct	gtgatgactt	cttgggtcaa	ctccctcatg	gccgtgtgct	3840
atttccactt	aatctccagc	ttggggcaaa	gggtgccttt	gtctgtgatg	aaggggttctg	3900
cttaaagggc	agttccgtta	gtcattgtgt	cttgggttga	atgagaagcc	tttggaaataa	3960
cagtggttcct	gtgtgtgaac	atatcttttg	tccaaatcct	ccagctatcc	ttaatggggag	4020
acacacagga	actccctctg	gagataattcc	ctatggaaaa	gaaatatctt	acacatgtga	4080
ccccaccca	gacagaggga	tgaccttcaa	cctcattggg	gagagcacca	tccgctgcac	4140
aagtgaccct	catgggaatg	gggtttggag	cagccctgcc	cctcgtctgt	aacttttctgt	4200
tcgtgctggt	cactgtaaaa	ccccagagca	gtttccattt	gccagtccta	cgatcccaat	4260
taatgacttt	gagtttccag	tcgggacatc	tttgaattat	gaatgccgtc	ctgggtattt	4320
tgggaaaatg	ttctctatct	cctgcctaga	aaacttggtc	tgggtcaagt	ttgaagacaa	4380
ctgtagacga	aaatcatgtg	gacctccacc	agaacccttc	aatggaatgg	tgcatataaa	4440
cacagataca	cagtttggat	caacagttaa	ttattcttgt	aatgaagggg	ttcgactcat	4500
tgggtcccca	tctactactt	gtctcgtctc	aggcaataat	gtcacatggg	ataagaaggc	4560
acctattttgt	gagatcatat	cttgtgagcc	acctccaacc	atatccaatg	gagacttcta	4620
cagcaacaat	agaacatctt	ttcacaatgg	aacggtggta	acttaccagt	gccacactgg	4680
accagatgga	gaacagctgt	ttgagcttgt	gggagaacgg	tcaatatatt	gcaccagcaa	4740
agatgatcaa	gttgggtgtt	ggagcagccc	tccccctcgg	tgtattttcta	ctaataaatg	4800
cacagctcca	gaagttgaaa	atgcaattag	agtaccagga	aacaggagtt	tcttttccct	4860
cactgagatc	atcagattta	gatgtcagcc	cgggtttgtc	atggtagggg	cccacactgt	4920
gcagtgccag	accaatggca	gatgggggcc	caagctgcc	cactgctcca	gggtgtgtca	4980
gccgcctcca	gaaatcctgc	atgggtgagca	taccctaagc	catcaggaca	acttttcacc	5040
tgggcaggaa	gtgttctaca	gctgtgagcc	cagctatgac	ctcagagggg	ctgcgtctct	5100
gcactgcacg	ccccagggag	actggagccc	tgaagcccct	agatgtacag	tgaaatcctg	5160
tgatgacttc	ctgggccaac	tccctcatgg	ccgtgtgcta	cttcacttta	atctccagct	5220
tggggcaaa	gtgtcctttg	tttgcgatga	aggggtccga	ttaaaaggca	ggtctgctag	5280
tcattgtgtc	ttggctggaa	tgaaagccct	ttggaatagc	agtgttccag	tgtgtgaaca	5340
aatcttttgt	ccaaatcctc	cagctatcct	taatgggaga	cacacaggaa	ctcccccttg	5400
agatattccc	tatggaaaag	aagtatctta	cacatgtgac	ccccacccag	acagagggat	5460
gaccttcaac	ctcattgggg	agagcaccat	ccgccgcaca	agtgaacctc	atgggaatgg	5520
ggtttggagc	agccctgccc	ctcgtctgtg	acttccctgtt	ggtgctgcct	gcccacatcc	5580
acccaagatc	caaaacgggc	attacatttg	aggcacagta	tctctatatc	ttcctgggat	5640
gacaatcagc	tacacttgtg	accccggtta	cctgttagtg	ggaaagggct	tcattttctg	5700
tacagaccag	ggaatctgga	gccaatggga	tcattattgc	aaagaagtaa	attgtagctt	5760
ccactgttt	atgaatggaa	tctcgaagga	gttagaaatg	aaaaaagtat	atcactatgg	5820
agattatgtg	actttgaagt	gtgaagatgg	gtatactctg	gaaggcagtc	cctggagcca	5880
gtgccaggcg	gatgacagat	gggacctcc	tctggccaaa	tgtacctctc	gtacacatga	5940
tgctctcata	gttggcactt	tatctggtac	gatcttcttt	attttactca	tcattttcct	6000
ctcttgata	attctaaagc	acagaaaagg	caataatgca	catgaaaacc	ctaaagaagt	6060
ggctatccat	ttacattctc	aaggaggcag	cagcgttcat	ccccgaactc	tgcaaacaaa	6120
tgaagaaaat	agcagggtcc	ttccttgaca	aagtactata	cagctgaaga	acatctcgaa	6180
tacaattttg	gtgggaaagg	agccaattga	tttcaacaga	atcagatctg	agcttcataa	6240
agtctttgaa	gtgacttcac	agagacgcag	acatgtgcac	ttgaagatgc	tgccccctcc	6300
ctggtaccta	gcaaagctcc	tgcctctttg	tgtgcgtcac	tgtgaaaccc	ccacccttct	6360
gcctcgtgct	aaacgcacac	agtatctagt	caggggaaaa	gactgcattt	aggagataga	6420
aaatagtttg	gattacttaa	aggaataagg	tgttgccctg	aattttctgg	ttgtaagggtg	6480
gtcactgttc	ttttttaaaa	tatttgtaat	atggaatggg	ctcagtaaga	agagcttggga	6540
aaatgcagaa	agttatgaaa	aataagtcac	ttataattat	gctacctact	gataaccact	6600
cctaattttt	tgattcattt	tctgcctatc	ttctttcaca	tatgtgtttt	tttacatacg	6660
tacttttccc	ccttagtttg	tttcttttta	ttttatagag	cagaacccta	gtctttttaa	6720
cagtttagag	tgaaatatat	gctatatcag	tttttacttt	ctctagggag	aaaaattaat	6780
ttactagaaa	ggcatgaaat	gatcatggga	agagtgggtta	agactactga	agagaaatat	6840
ttggaaaata	agatttccgat	atcttctttt	tttttgagat	ggagtctggc	tctgtctccc	6900
aggctggagt	gcagtggcgt	aatctcggct	cactgcaagc	tccgcctccc	gggttgacac	6960
catttttctg	cctcagcctc	ctgagtagtt	ggccttacca	gtagatggga	ctacaggcac	7020
ctgccaac						7028

<210> 6054  
 <211> 236  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <221> misc\_feature  
 <222> (41)...(115)  
 <223> similar to gi32402 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 6054  
 atgaaacggg acctagtaat ggatcactgc tcttgggagc cttacagtct actgtagttt 60  
 agttaactgg gaaataatth tgagctcatt tttatttttc tgtaagctca gctgctgaac 120  
 gcccaaatc ttccttggtg catgcatggt ccatatcgac gttctgctgc tatgcacgct 180  
 ggtattctgc aatagctggc catgtttttc cttgagcctg ggtcgacgcg gtcgct 236

<210> 6055  
 <211> 3801  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <221> misc\_feature  
 <222> (3648)...(1470)  
 <223> similar to gi4775362 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 6055  
 tttttttttt ttcaacaagg aaatgtatth atttttttcct ttagaatttg gctcagaaca 60  
 gtaacaaaaa tattttacatt aaaataaatt aacatgcaat tacttaacca tatgtaataa 120  
 tttacgtttg aatatatttag ctttcccatg agtttaataa aaactaatat ttggttttag 180  
 attcaatacc atccttttcaa atattttggtg tgaaacttgg tagcaatgca attgtctgat 240  
 gtacagagca gatttcacca tgagagatta caccaaagaa cagatgtccc ttcccagaac 300  
 attatctcac ccagactca gaaactgagc agccaagctt ctttcccagg aatcaccatg 360  
 gaatgtctga acaataacca ggccctggag attactgcag ggctggcaga gttttaggaa 420  
 tcagccaaac tctttttcac actaaccac taggaaggat atagttcaaa tgtaatgttg 480  
 agtccttcag tttatttgaa cactgaaaca atatgttgta gaaaccttca ttttccaaa 540  
 atagaaatct gaaagatatg tgcacatgat ttcttagatc atctaaaagt acccataaaa 600  
 acctgtcact agggccagggt gtgatggctt acacctgtaa tcccagcacc ttgggaggca 660  
 gagggcggcg gatcacctga ggtcaggagt tcaagaccag cctggccaac atggtgaaac 720  
 cctgtccact aaaaatacaa aaaaaaatca gccgggctgt gtgcatgtgc ccgcaatccc 780  
 agccactcaa gaggctgagg caggagaatc accgaaccag gggggcagag gttgcattga 840  
 gccactgcac tccagcctgg ggttcatgcc atttctcctgc ctcagcctcc cgagtagctg 900

ggacccgcca	ccacaccag	ctaatttttt	gtatttttag	tagagacggg	gtttcaccat	960
gtttcaccat	gttagccagg	gcggtctcga	tctcctgacc	tcgtgatccg	cccgcctcgg	1020
cctcccaaag	tgctgggatt	acaggcgtga	gccactgtgc	ccggcctgga	aggattatta	1080
atgcaaaactt	caggatgaag	tgatatcccc	aggcaaggcc	tgaaggctctc	agtggattatta	1140
atacattagt	aagcagagtt	ctaagaaggc	ttcctctcta	ttattgtagc	tgctttggca	1200
cagaaaaattg	tgactgtaac	ttacagggtt	tgagctaaaa	tgacccctag	taagaagaca	1260
ttcagaaaaga	atagcaatcc	taacaaaaat	aggagtgggg	aaagggtgaac	tctggaagag	1320
gagaccaaaa	gtgaaaacat	ttctctgcca	aagtcacctg	cagttcaata	ccagatttga	1380
ttgttaagaa	acggtcatcc	taaagacaag	aacttgattc	cactcaggag	ctctggagag	1440
aagggtccatg	tctgttcctg	gaggtctagt	agatcctgcg	tggtgtgtag	tccagaacca	1500
tgctggcagc	accagcagg	gcgggggtcaa	ccaaatccga	aaccaccaca	tccacgtcct	1560
gcacggagga	caaggcctgc	tggcgaatga	cgtctttgac	aatgtggata	tagtgactgg	1620
ccaggtcatcc	ggagaggtac	acaaggagg	gattcatggt	atggaggatg	ttcacaaccc	1680
caagacccaa	agctgttcca	gctgttctta	ggatgctctg	ggccttcgca	ttgccaagtt	1740
tcgcagcttg	gatgagatgg	agcgcaccca	cagcctcatc	ttttggcact	gacatccctt	1800
ccaccaagag	caggtcctca	tcatggagct	tttttgctc	cctctgcaag	gccattccag	1860
aggcgtatgc	ttcaatgcac	ccatggcttc	cacaggaaca	atcaggccca	tccagagaca	1920
caacaagggtg	gcccagttct	gcagcacaga	aggagcttcc	gtggatcaat	tcatgctgat	1980
ggataattcc	accaccgatt	cctgtgcctg	tgataagtgt	aacaaagttt	tccagtcctt	2040
ttccttgggc	aaatttcctt	tccgccaggg	cagcacagtt	gccatcattg	tctaccaca	2100
cagggagatg	caaagtgtca	gaaagggggg	tcctaaggtc	cacagagttc	cactcttgga	2160
tcagtttggt	tgaatgcagc	acaattcctt	cccaggatt	tacacggcca	cctgtggaaa	2220
tgccactacc	caaaaattctg	cagttcagtt	ttacagcttc	tgctgcagct	tccacacaca	2280
tctgtaggat	taaattaatc	ctctcttcat	aggttttagg	attgaactga	gtatacttct	2340
taactatttc	acccttcatg	ctgactattg	caactcggag	gttcgtccc	ccaagatcaa	2400
cggccaaggc	acttagagtt	tcaagaatat	ggtcaatatc	ttgagagata	ttctccttca	2460
caggaggaaa	gcagaatttc	ttttgcagtg	gctcttgaag	atcgatagat	ttgagaaact	2520
tcaaaatcct	tggaacagca	tttccatccc	catatatctt	tgaacaaggg	tactgtttac	2580
caaactgaag	gtgcagtgct	tgcaaatattt	tgtcttgggt	gtcagcatcc	cggacatgaa	2640
gatcattctc	ccctgtttcc	tccttccaat	ctgaacgtgt	tccccagggt	tggtacacag	2700
gtgttcccaa	aagctcccaa	cttctcgaa	ccccacagct	gctgttccca	atcatacagc	2760
cagcatgggc	aaccaactgt	ataaactggg	caaatgggac	gtgtttaact	gcacgaaagt	2820
tgggatgatg	ctcaatgccc	ttcttccgca	tcactcgaa	catctctttg	ctccctgcgt	2880
caatatattg	aaacaggact	agggtccgct	tgttaaatga	gataagtgca	tccaatgtta	2940
attcaaacat	ttttatggaa	tgcttaatgt	cagtggtcac	agggtgctgt	agtgcacaac	3000
tgtaatcttt	agattttaca	tcatcaccta	gccacatgcg	aatgatgctc	atgtagtctt	3060
tgttcttggc	tgagagaagt	ttgtcatagg	aagggcagcc	tgccaaaagg	atgcgatcat	3120
ggtcctcaca	catggatatc	agggtgctgct	ctgcactgcg	ggtgcagcac	acatgataat	3180
gagccagttt	tgttatggca	tgtctgatag	agtcacatca	ggtcccaactg	acttccccac	3240
cttcaatgtg	aaggattcgg	atgttcatca	aggcagcaga	tgtggccaga	gccagggcat	3300
caaacctgtc	tccatgaaca	atcatgatat	caggcttcag	gcgattaagg	acatctggca	3360
gcttcactag	ggccaggcct	actgactcca	ccatggctgc	ctcatcttct	cccctcaca	3420
ttgtgtgtag	cctgggtgta	atgtcaaagt	catcttggtc	aatcattcga	tatgtatttc	3480
catagtcatc	tatcagggtga	gagccaagta	ccacaacatc	aagttcaaa	aactcagggt	3540
cggttttaat	gccaaacatg	atcggggcaa	gttttagaata	atctgcacgg	ttacaagtag	3600
caacacaaac	ccgcagcttt	cggttatttc	cattcttctc	catgatttgc	ttgtttcggt	3660
ttgagagggt	cttaaaatag	agttccagac	gccgtcagag	gctccctccc	acgccgccac	3720
cgcgctcctc	gggcgaggga	cgaaccaagc	gccacgaagc	aggcagagcg	cgagcctgcc	3780
cctcggtttc	cgcgctcacg	t				3801

<210> 6056

<211> 368

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (360)...(200)

<223> similar to gi862343 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 6056

ctggactttc	acatggatcg	taatagacaa	cttcacacctg	tttttctaaa	aaggattataa	60
tgattgttta	aaacatatatt	tattatttgt	aaaaatgcac	tcaatttttt	taaatgtaag	120
gaaaataaag	atcacttgta	atgccaccac	tgagaatcac	tattaacata	taaaaaatgt	180
atgtgtataa	atgtaataata	catatacacg	tgtatatata	catgactata	cacatgtatt	240
aagcagcatg	tgtgtatata	caagtagtat	atgcatgtat	atataacctgt	acagacatac	300
gtatatatac	acacgcacat	acacatacta	cttacatagc	tacacatatc	aatggaggttc	360
taaaagaa						368

<210> 6057

<211> 8605

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (7685)...(3974)

<223> similar to gi2224569 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 6057

gctgcacctc	ccaggggaca	gtccccacat	gattacaaaa	gccagggtgcc	ctcatcaccc	60
gttaccacctg	acctgtccac	ttgttttgaa	taaaccttca	ttctccaagc	agatcccca	120
acttccttgt	ccttggttaca	cgtctacctc	acaacctcac	aattcaacaa	caggtaaata	180
cctggattca	ctgatttctt	tactgtcctt	ctctgagggg	tggaagggtg	ggggctagaa	240
aaggctcata	atttttaaac	tcttggaat	taaacttggg	aatttctatt	cctacagtgt	300
tttctctggg	atttttagct	cactgatcgc	cctagaatag	tgtgaactct	ccagataggt	360
cctgctgtga	taggccaggg	gagtaggctg	tgcagtgcgc	gcttagggta	ataagtaatg	420
gttgaggagc	accagcatag	gagcagagtt	tagaacttaa	gaggacaaga	aagctgctca	480
gtggctggcg	tatagctgtg	aaggtaacca	aacaccaaag	agggagtctg	tcatttttat	540
aaggctggaa	gcgaatgttc	cttttctacc	ttaacatata	gtttaggggg	ttgcaccaag	600
acaaagtttc	caggctggag	ggtaatacat	atccagcgcg	agtgaagtcc	ccactccaac	660
atataccctt	tttggtggg	taaacacctc	tttgcatgtg	gacagaaaat	gtttatactt	720
aaacagacat	attttgcata	tttttatctg	gagacttctt	ctagttttat	actcttccca	780
catctatgcc	aatgccacca	ttctaaaact	tacactcctt	ttctaccctt	gggtctttcc	840
ttgtccttcc	ctacaacttg	gtagaggtcc	attttgtctt	acttcacact	tttttttttt	900
ttaaataaaa	cacaaaagtc	tacgtcttgg	tgtcttatcc	gtgagtggga	agtggtaagc	960
tggtgatggg	cccatatttg	ctatgacagg	aacacagagg	tggcagctta	ggaagctggg	1020
gccacatctc	acaaggcagg	acctggatgc	actgaatccc	ccctttgctc	cagcaactca	1080

gccagacatt	taggcaggag	cactaatgac	cctttccatc	ccacacagag	ggtatggaac	1140
aggagcccct	gttgttccct	tgcctgtggt	ctcttaagcc	agtcatacct	atcccaacgc	1200
cgtctcccc	tcaggtgtgt	agaaggggag	atgaatacca	cagagtcttt	tgaatctcta	1260
tcaaattgtg	tttttttatt	caacaactga	caagcacttt	tctacagctg	cacttgtgga	1320
acatcacatg	gcaaaaacag	gagttttttc	gctagacttt	ttttttcttt	ttaaccttat	1380
taaaaatgag	attggtccta	aaaatataga	aagaaataaa	tttaaattca	caaaaaactg	1440
tacattatca	aaaagtcact	aaaacaccac	atttggttat	ataaaaaagtc	ccttttgctg	1500
taaaaggaac	acagaaaactt	gttggtgttg	atggtgtggt	ttcttcctgt	caaccagact	1560
gatgggaggg	aagcaaaagg	gcaggggggtg	ggttgtcttt	ttatttttaa	cctgctttcc	1620
ctaccaaata	ctcttgtcat	gaagagaaaa	tccacctagc	tcaagggggc	agtgaagatg	1680
aggaaagaaa	agcaagaaat	ggcccctttg	atcatgccct	atccctacca	cccccaacct	1740
cgtcccagcc	cccacttctt	caaactgagg	ctaggacccc	accccgccat	atgagtgcct	1800
ggctccctagg	gaaagagatg	gagctgggag	aggaacacaa	agcaggaacc	atggagattt	1860
cactccccca	tccacctcac	aatttcactc	cccatccac	ctcacaatga	aattaatcta	1920
gcacatctta	taccagggga	aaattgccag	ggggaaaaag	cagagcccc	aactttaaca	1980
gtttcaactg	tctaacacaa	agtttggttac	agcgcagtta	tttagataaa	atataaatat	2040
ttatgcataa	tataaagtca	attcaaatat	tcttcaatcc	accttttaaa	agcaaaaaaa	2100
aaatctcaaa	taaaatttaa	agttttgagg	tttatctgac	agaaaaggcg	acttttagaaa	2160
taggctatga	gggagaagg	gcataaagga	ataaaggggc	tgccccagga	cctacactgc	2220
ccctaccccc	ttcagtggct	cttcagtgtc	gccagaatac	aaggaatgct	ccacctcacc	2280
tggcaccccc	accccccaat	ggaacatttc	ttggatgcct	cagctctctg	cttgggccag	2340
ccagcagcca	cctccccagt	gcaagtaccc	gtaatctctg	aaggaggagg	ctctgctgag	2400
caggaaaaagc	agggggccaa	gtgcccatgg	ctatagctgg	gagtcagcag	ctttcctctc	2460
gtgttggggg	cttaacttgg	acatagtcac	atgtagggca	gtgatggacc	cagaacctct	2520
cctccctact	ctcctgtgct	ccagggtctc	tgctgctggg	gaagggtcc	tggggtatga	2580
agtaaatgaa	gaaaagccca	actaaatggg	attaggaaat	gatccagttc	taccactctc	2640
ccgtagaagc	ttaagattca	aagctaccga	gaagagagg	agttcctgct	gaaagattgc	2700
acagtctgaa	gaggctggaa	caaaaatgac	caggagagag	acacagcctt	gtctccagag	2760
aaattgtttc	tgtggtttcc	caaagacaaa	aaagtgatgg	ttttaacaa	tgggaaaaat	2820
gggaatgaaa	acaggtactt	ggggaaactg	aatggatcct	atcaaacaat	acagggtcac	2880
aagcacgcac	acacacacac	acacacacac	acacacacag	cgcgcgctct	gaggctgaca	2940
cacacacaca	cacacacagc	gcgctctgag	gccgacacac	acacacacac	acacacacac	3000
acacacacac	acagcgctct	ctctgaggcc	ggccccattg	ctacctggcc	tccatcttag	3060
ggtgcaccca	aactcagcaa	tagttgtccc	tgaggagttc	ccaagagggt	ttgggaagga	3120
ggtggggaat	gttgctgtat	aggcccatga	agccttctctg	ccctctcccg	agctacgtga	3180
gtttcagaaa	aggctggaaa	ctcagcatgt	gaggagcatc	caacatcata	caggggatag	3240
ctatcggcag	gaagatgggg	acagaagaca	gggacctctg	aacatttttt	tttcctttga	3300
agggaaaaga	tttgggagaa	gagaaaagga	gggaggaacc	cgtaacgat	agttttacat	3360
tattggatga	gagaaaatct	gaaaactggg	gggtgggagg	tgggaaaaga	aagacagcga	3420
gaagcagggg	agggactgaa	catggaagca	gcatgtccag	ggcccgggtg	ccggcgcgac	3480
acacttggga	gttaagtcca	ctttactggc	cgctactgcg	ggtccgcaca	cagtacagag	3540
tgtttcttgg	tttcacacat	tactagaac	tattgctatt	gttaaataac	cccagaatgc	3600
tggggcacgt	acaggggagg	agaggaagca	gggaggagga	agtagggacg	actttcccc	3660
tccccatttt	taattagcaa	ataaaacaga	aaagaaaaat	tatttttttc	tttctttttt	3720
tggcttttag	tccagaagga	cctcatctct	gcacctctta	cttgaggagc	aagaggagg	3780
aaggagagaa	gggatgtagg	aataagagga	tgtggggcac	tgccaagggc	aaggtcaaaa	3840
atcagggttg	tatctgactt	gagtcctggac	ccagggcagc	atcagcaggt	gaaaatggca	3900
ggtttttgtt	tgggaaggtg	gggggagatg	ccacaagggtg	actccccacc	tcccttgccct	3960
cacagattgg	ccctgttttc	cctgataaaa	ctcctcccag	cggctcttcg	aagaagcggc	4020
gcatgatgtg	cccagccttg	cctacttcag	agtcactctc	gttgaaagtc	tggcagttgt	4080
caaataccag	gagggcacat	gccgcaaact	cctctgagct	ggtgtaccct	cccctgagca	4140
gccgctcccg	catggtggaa	aaatccatag	gatttttgat	gatgcgccgg	taccactca	4200
caaacgtgg	gttcacaggc	tctaggaaag	gccaggctgc	atcatgggac	tccatctcca	4260
tcaggataat	ctcgcaaaat	gtgagatcac	tgtggtggtt	ccgcatagag	agtcgccgcc	4320
gcttggagg	ggagagccct	tcttccgagt	accgaggccc	tgtgctggg	ctttctcggc	4380
ccctcaacag	taccggcgct	cggcggccat	caccctctga	gaagttcagc	gaataaccac	4440
ttttccgctt	ctggccacgc	tttgggaaac	caggcttctg	agtgaattct	ccctccacct	4500



gctgagccaa	acagacagta	cagaaccaat	ctccttctgg	gacagcctcc	atcttggggac	4560
gatggcagta	aatgtggcag	ccacggtcac	acccatcaca	aagcagaaga	aactcatcat	4620
tgtcaccctt	ccggcagact	agacatgtca	ctttgttgac	agacttctcc	caggcaatgg	4680
acctctccag	ctggcccagg	cacaagcaca	cctgggctgc	gctccggcac	cgctcgaggg	4740
tctggcgcca	gacacgaatg	cgaggggtga	tctcatatga	tatctctgta	gtggtgcctt	4800
caggggcacc	attaggtgtg	ctaagcaggg	ccttctccag	cacaacctca	tgagttggcc	4860
agaggggctc	ccgcagggtac	cgccgttcta	cattctgttc	cagggcagcc	agccgcatca	4920
cagccagggtc	caaagggttg	gtagttttac	gctgagggtg	cagtccctcc	ctgccccgac	4980
ctcgccagggt	gatatcctcc	tgggagtcgg	agaggtgtct	acagtaggcc	aagtcttcac	5040
gggtagagtc	tgggctagga	catgtccagc	cccgaatctg	cagatcagac	atgataaccc	5100
gctgctccag	ctcctctacc	cattgaagca	ctgctaggtc	tgtctcgtat	gtcttctctt	5160
tgggggacca	gctcataatc	ccttcttgaa	aggcaggtag	ttgcctgggc	tcaaagatgg	5220
ggtcagctga	ggggccgagg	cagacttctt	gcaagaagtc	cctgtgcttg	ttaaggtgtt	5280
tgtgaagtgc	cttctcccgg	atacctcggg	gggtgtagggc	cttgagcatg	gcatccaaca	5340
tctcaggatc	tcgtatccac	caccagcctg	aggtgggaca	ggctgggctg	ggctcctctg	5400
tcagctgggt	taggtaacgc	tgttccatct	gtttgaagaa	cttactggga	ggctcctctc	5460
tcogtttggt	ctgtcccagc	cctgtgggac	tctgtggcat	ttctccaggg	tctcctgctc	5520
gcctcttagg	ggccaaccca	gccaaggggc	tggaaagagaa	ctgcaactgga	gaacaagggt	5580
tggcagcact	aggtctattc	attggccttg	aggaggcaag	ctgctgaggg	gagggagtg	5640
gttggtcctc	agaaactgca	gggggcggtg	tgggggcagc	attgcagggc	atctgggctg	5700
agatgttaaa	ccagagtgtc	tgaggatcag	ggctggattc	tgctcatca	ggctctggct	5760
cctccggggg	ttgtgatgga	gctgggtcta	gttttcccgg	actgctatca	ggtgtgagga	5820
ctgagctgct	caacaggggag	ctatggctct	gagctctggc	cagccaagac	aggaaggctg	5880
actggctgag	gtcatgctgg	ctctgaccca	gtgacaaagg	ggagccttct	tgctccagga	5940
accccttatg	ggactgaagc	tgaagctgaa	gctgaggctg	gggctgggca	ggagcatgaa	6000
gctgagcctc	aggetgaagc	tgggcctggg	gctgttctga	atcctgaccc	ctgacagggg	6060
acttaagatg	cctaggttgc	atagaccggg	gcttagtctt	tcgagggtcgg	cctcggggccc	6120
gggcaggaga	actggcagtg	gtgttgagc	cagctaactc	catcttcata	gagaagaggg	6180
cagggttgag	tgacgcatgg	gctgccactt	ttaaggagtc	agtttccctc	tttatcacct	6240
cctcaggaac	taagttcccc	tctgttccct	ctacaaagat	accagccaaa	tacggcaata	6300
cccagtagcg	acgtctgtag	cggctcctgac	ccaggagagc	cgcccgaagc	atctgggatg	6360
agtgaagcag	ctttttgcga	aagaaaagct	gacgtttgct	gagtttttct	atctggcgct	6420
ctagctctgg	gatgctagat	gctgtggcat	caacctctcc	atctcttcga	cccctgcggc	6480
cagggacagc	tgtatagac	tctcttctt	cctcttcttc	catgccactg	gtcacctcca	6540
tgatccgaga	actgcgcctc	cgtcccaggc	attcctcttg	cccttccatc	tctacttcag	6600
accgccaggt	tcgcttgggc	agaacagttt	tcagcctccg	gagccggcct	tcaacaatcc	6660
acttgttttt	cctgtagctg	gacatactct	ccagagtctt	gtcaatctca	ttgatgatga	6720
gggtggagcc	attgagctca	tgcacaagga	aggccaggac	agcagccttc	tgctgggggtg	6780
gctgggcctg	aaaaggctgg	gtgcgcaggc	ggtcacagag	ggctggctct	actccatatg	6840
ccataaggaa	gcagcgaggg	atctctgaca	cattgtctct	tgtcagtggtg	atctcagaca	6900
ccttctcccc	caagatcttt	agggactgac	agtaggaggg	aaagccagga	tcatggagtg	6960
cagccttcag	cagcctgacc	agcagggtct	gcacctcacc	caagctgtca	ccttgacaca	7020
ggagtccctc	ctgcaggacc	cccaggctag	gcacatcttt	ggcaggatca	aagcccagca	7080
ccttgccaaa	gctatgcagg	aactccacaa	tggccaagca	gtctgagaag	gctccactgg	7140
gcaatgtcag	accagggact	cgtgagaagt	caggcagggg	ctggtggtca	gtcagacaca	7200
tatcctctgt	cggcttcttc	atttccctcca	agatcatctg	ctgcctctgc	cgttccctcca	7260
agcgccctctg	tgtggccagg	gtcttatctg	ctttacaggc	tggcttggtc	ttggtcacct	7320
cctccttttc	cttcattttt	acctctctct	tcttttccct	cttgactttt	tccttcagtt	7380
tttctctgct	tgtctttctt	ttttcttctt	cagccttgga	tttcttctta	gcttctctct	7440
gctttaagct	ccttggtctct	tgtttccgct	tattcttggc	ctgcccttgg	atagtagtct	7500
gacactctcc	ccgttgaacc	ttctgcctca	tcttcttctt	gcttttagca	atctttgctt	7560
tatcctctct	attcaatggt	tcttgggcct	ccagtttctt	tagggggcgg	ttgtctgtct	7620
tgttcaatag	ctcagtgatt	ttgaccttag	gtggccgacc	tcgaccccg	ttcaccttgg	7680
ggacttcctt	agtcctagcc	ttctcagtg	ttcgaggctg	accccgtttg	ccagtaattg	7740
cctgaatcct	cgacgggata	tcctctgctg	agagctgcac	ccactgcaag	ccctctggcg	7800
tgtctctttc	ttcaaagaaa	tctccaacag	gcatacgggg	actgaagctg	aagtgtctct	7860
ggcggacact	gtgtaccacg	ttgcggctca	ggtacttgat	cacttctgga	aattgcttca	7920

tcctcttccc	acaggggcca	taataccagg	tctccccctg	ccatcggttg	ctgcccttct	7980
tgatgcgcac	ctctctccgc	cacccatgtt	ggaggggaag	acgaacttct	tctggggtag	8040
caatacgtct	cctcatgaca	tcaccactac	cagaagcagt	gagtccttct	ccagtgatct	8100
cttccacgtc	agcagtgggt	tctagaaagc	tgctgacatc	cttatttgct	ggggaggctg	8160
ttggaaaagg	agctgctggg	gaagttacgg	gagaggcttt	tggggatgtc	actgaagccg	8220
tcaacgggac	ttctaaggag	actgctggga	ggactgctga	ggaagctgga	gagaccactg	8280
agaagactgc	tggagagaca	actgtagaag	ctgcgggaca	aacttctgga	gagatttctg	8340
gggaggctgc	tggagaaacc	actagggaga	ctgctgggga	ggttggtggc	gagactgctg	8400
gtgaggttgc	tggatgtagc	tgaatagtgg	atgactgac	aggagctggc	tgggtcaggg	8460
atggtgggaa	gtctgaagat	tgagtttcca	tttcttctctg	ttcagcgtca	ctaccattat	8520
tcaggtcaaa	gctgttatct	tgacaggacag	actcccctag	gacaggtgga	gaggtgggac	8580
tggcaaagat	agaggttgat	gtttg				8605

<210> 6058  
 <211> 2632  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <221> misc\_feature  
 <222> (87)...(539)  
 <223> similar to gi31843 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 6058						
cggcggcgctc	gaccagacac	tgacacttgc	agttgtcttt	ggtagttttt	ttgcactaac	60
ttcaggaacc	agctcatgat	ctcaggatgt	atggaaaaat	aatctttgta	ttactattgt	120
cagcaattgt	gagcatatca	gcatcaagta	ccactgggtg	ggcaatgcac	acttcaacct	180
cttcttcagt	cacaaagagt	tacatctcat	cacagacaaa	tgatacgcac	aaacgggaca	240
catatgcagc	cactcctaga	gctcatgaag	tttcagaaat	ttctgttaga	actgtttacc	300
ctccagaaga	ggaaaccgga	gaaagggtac	aacttgccca	tcatttctct	gaaccagaga	360
taacactcat	tatttttggg	gtgatggctg	gtgttatttg	aacgatcctc	ttaatttctt	420
acggtattcg	ccgactgata	aagaaaagcc	catctgatgt	aaaacctctc	ccgccgccct	480
gacacagacg	tgcccttaag	ttctgttgaa	atagataatc	cagagtcaag	tgatcaatga	540
gtatctgttc	acccaaaccc	aaatgtggaa	agaacacaag	gaggaccata	ggacttccag	600
tcaagtgaat	aattaacat	gtggactgga	ccctcccaat	aaattatata	cctgcctaag	660
ttgtacaatt	tcagaatgcg	aattttcatt	ataatgagtt	ccagtgactc	aatgatgggg	720
aaaaaaatct	ctgctcatta	atatttcaag	ataaagaaca	aatgtttcct	tgaatgcttg	780
cttttgtgtg	ttagcataat	ttttagaatt	gtttgagaat	tctgatccaa	aactttagtt	840
gaattcatct	acgtttgttt	aatattaact	taacctattc	tattgtatta	taatgatgat	900
tctgtcaaat	gaaaggcttg	aaatacctag	atgaagttaa	gattttcttc	ctaattgtaa	960
acttttgagt	ctgggttcat	tgtttttaaat	aaattaaggg	gacactaaag	tcctatcatt	1020
catttccttt	cattggctga	acagggcaag	atataatatt	acatgaatga	ttactatatt	1080
ttgttcacac	taataaagct	tatgctcaga	aatgccatac	acacacacaa	acacacacat	1140
ttatcattta	atgcataaat	caacacaaaa	ggttttccca	ttaatatgaa	atattacata	1200
tatataagtg	ccatatttaa	aataatttgt	ctaaacagta	gaactatgtc	ggagcactca	1260
ctgaagcttg	cattccgctg	aaagagttat	ttgtgtaagt	agagtatccg	gagaaggaaa	1320
agaacttacg	acctttcttt	ataacagaaa	gctcagctgt	aaattcaaca	agatgtgcaa	1380
accggacatg	caggtgaata	ttttaatagg	ttactataag	gttctcaatt	aaattcttta	1440
atctgtccag	tcccagtttc	tcttattaat	aaaactttgg	aaattgcttt	aaaccattta	1500

aaggaaat	ctagatat	aaactaag	ga	ctgtgact	at	acagctgt	ca	ctcatttg	ta	1560
gtaaaact	tta	aaaagcaa	aaa	aaaaaac	a	aaaaagac	ct	tctgtg	ata	1620
gaactaat	aaatctat	at	gacttttt	at	tattgtgt	ga	taaccaag	ta	aatgtttt	1680
at	ttttgc	ata	ttttcagg	ca	tggtaac	aga	aattttac	ctt	ttaataaa	1740
aat	ttttaacc	tacttg	tatg	ttcggag	agt	gtttttgt	ac	tataattg	acttaaaa	1800
gagaatg	aga	ctaaga	aggg	aacatttt	ctg	ttgatacat	g	tttttttaa	aaa	1860
gagcatt	att	aggtta	at	aatcca	atta	atgacccaa	a	tgccaagg	ta	1920
tacatttt	ta	ataaaag	caa	catggt	gaaa	caagagag	ggg	tgagatta	aac	1980
aagtaatt	ta	caagtcaa	ag	acagga	agag	atcagag	tga	atgtgc	ctt	2040
ctacaga	att	tagtga	ataa	ttaaag	taca	aactgct	ttg	acctcct	tga	2100
gcaatttt	ctc	tgtact	tcta	tatatga	atg	tcttagcc	aa	ttttctg	cta	2160
atacgaca	ga	ctgggta	att	taaaaag	aaa	agaaatt	ttat	tttcttc	cta	2220
ctgggaag	gc	gaagggc	atg	gcactg	acat	ctgcctt	gta	actgat	gaga	2280
tgcatgata	aa	caaagc	agca	aggcaag	caa	aagcgta	aga	tgaagag	aga	2340
ccaaacac	at	cctttcat	ca	gaagccc	att	ccctctat	aa	ggcggtt	atta	2400
aatggagt	cc	tcatgac	cta	atcgtg	acct	taaaagg	cccc	tcccaac	act	2460
caattaa	att	tcaacaa	agg	ttccag	aggt	gacattc	gaa	tcagcaa	tga	2520
gttaaatt	ttg	gtattcg	tgg	gggaaga	aat	gaccatt	ttcc	cttgtat	ttt	2580
tcagcaaa	at	attgta	ataa	agaaat	cttt	cctgtga	aga	taccatg	acc	2632

```

<210> 6059
<211> 2018
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (192)...(1785)
<223> similar to gi4680298 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

<400>	6059									
cgttcgtg	cgc	tcctagt	ttcc	agtacag	cgt	ggagggt	ttta	ggcagcg	tgt	60
tgcgggac	gcg	cgagcgc	catt	tgtgctt	tgc	ccgccgc	ggc	ctaggagg	cc	120
gcgtagtc	gcg	tgttttt	gaa	ctgactc	tac	agcttct	ggc	aggccgt	gcg	180
ccggcctc	ac	catgttg	gtg	ctgtttg	aaa	cgtctgt	ggg	ttacgcc	atc	240
taaatgag	aa	gaaactt	caa	gaggttg	ata	gtttatg	gaa	agaattt	gaa	300
aagcaaa	caa	aatagta	aaag	ctaaaac	catt	ttgagaa	att	tcaggata	aca	360
tagcagc	att	cacagct	ctg	atggagg	gca	aatcaata	aa	gcagctg	aaa	420
agaaaata	gt	aaaaga	agcc	catgaacc	gc	tggcag	tagc	tgatgct	aaa	480
tcataaag	ga	aaagctg	aat	ctcagtt	gta	tccatag	tcc	tgttgtt	aat	540
gaggaatt	cc	gttcacaa	at	ggatgg	atta	atccctg	ggg	tagaacc	acc	600
agctatgt	gt	cttgga	tgg	ctcacag	cct	tgtctcg	ata	tagattg	aa	660
ataaagta	ga	cacaatg	att	gttcagg	cca	at	ttcctt	gt	tagatg	720
ctaaaca	act	acattat	gcg	atgtaga	gaa	tggatg	ggt	ggcattt	ccc	780
aaaattat	ttt	cagata	at	ttt	cactgc	aagtgtt	tac	agaaagt	tgg	840
aactatgc	cct	ctgcca	agct	ttctgag	tgtg	ctgccaga	ag	aagttga	agc	900
gcagctgc	ag	agatat	caat	gggaac	agag	gtttcaga	ag	aagatat	ttt	960
catctttg	ca	cccagg	tgat	tgaatct	ct	gaatatc	gaa	cccagct	cta	1020
caaaatcg	aa	tgatgg	ccat	tgcaccca	at	gttacag	tca	tggttgg	gga	1080

gcacggctta	ttgtctcatgc	aggttctctt	ttaaatttgg	ccaagcatgc	agcttctacc	1140
gttcagattc	ttggagctga	aaaggcactt	ttcagagccc	tcaaattctag	acgggatacc	1200
cctaagtatg	gtctcattta	tcatgtctca	ctcgtgggcc	agacaagtcc	caaacacaaa	1260
ggaaaagattt	ctcgaatgct	ggcagccaaa	accgttttgg	ctatccgtta	tgatgctttt	1320
ggtgaggatt	caagttctgc	aatgggagtt	gagaacagag	ccaaattaga	ggccagggtg	1380
agaacttttg	aagacagagg	gataagaaaa	ataagtggaa	caggaaaaagc	attagcaaaa	1440
acagaaaaat	atgaacacaa	aagtgaagtg	aagacttacg	atccttctgg	tgactccaca	1500
cttccaacct	gttctaaaaa	acgcaaaaata	gaacaggtag	ataaagagga	tgaaattact	1560
gaaaagaaaag	ccaaaaaagc	caagattaaa	gttaaagttg	aagaagagga	agaagaaaaa	1620
gtggcagaag	aagaagaaac	atctgtgaag	aagaagaaga	aaaggggtaa	aaagaaacac	1680
attaaggaag	aaccactttc	tgaggaagaa	ccatgtacca	gcacagcaat	tgctagtcca	1740
gagaaaaaga	agaaaaagaa	aaaaaagaga	gagaacgagg	attaacagaa	aggaattacg	1800
attatatcac	ccggacacac	atcatgctta	agattcaact	gggagcatat	cagggatgct	1860
ctctaacgta	atcaagggaa	ggttcagtaa	gacaaagtga	tttatcatct	ataacttcaa	1920
acctatttgt	cttgacatca	actctgttaa	ccttatgtca	tcatttctta	gagtctttga	1980
tatacaaata	aaattttctt	tgtattttaa	aaaaaaaa			2018

```

<210> 6060
<211> 4509
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (4462)...(688)
<223> similar to gi2842424 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

<400> 6060						
gtcttgaagt	gccactctat	attttatctt	ccagttaacc	atgtctacat	tttctaagat	60
cagtataattg	ttttctttgt	tatcatcatt	aggctccata	atataatttt	acatcatata	120
ttattaaaca	tttatgacta	caagaaattc	ttgaagctac	ttctacatgt	gatcatatca	180
aagtataaat	tttgctaaca	agacacgctg	tgtaccacct	tacagattta	tagtttatgc	240
ggcagagtta	gaaatctgtg	acaagtccta	acacttgtca	catctcaatg	tggttttcct	300
taaaaaaagc	agccaatatc	catgtaaaca	gtacattgtg	agatgtaaaa	tttgattgat	360
agctcctaaa	tatcatccca	aataacaca	aattaaaaa	ttattctaaa	tgctttttca	420
tcttacatat	ccaagaaact	cataaagata	acattataaa	aggcaacatt	tgttaaaagg	480
ccactgtggt	taacttttatg	tcaactggag	caatactgca	gccactgtca	atttcctgga	540
tggttgaggt	tagaagttga	ttctttcaag	gcaaacatca	agtaattcga	tttgtctaga	600
tgactgaaca	gagagaattc	ttagccactc	ctttcaaagt	gattgttcag	gtcaagttac	660
tttaatgcc	ggtcagtcag	ggaatcagag	accttggtgt	tgacctgtgc	agaaagactc	720
gcttggtgta	cggtgagata	gatgtcatat	tgctggtcca	ggccaaggta	gcagtcactc	780
atgaaatata	atgtgtagat	ataccttcca	gggtatttcag	gggtataaaa	agaaagggaa	840
gcaacatgat	gatttcgaat	atatcctact	cttttcaaag	caataagttc	tctcttatcc	900
acttctccta	atatcaaaaa	ccatccttcg	tcttttgatt	tgaggaaatcg	aggagtaact	960
gcacagctct	ctggctttcc	cttgtggaac	ccaaagtgga	ctctctgcaa	gctcacttga	1020
agcacatact	cttggtcagc	atgcaatttg	atccatttgt	tgtcatctcg	tttgtctgca	1080
gtcagagttg	agacagagag	ttcattatgt	ccttcaacta	agtcaccca	cgagccttta	1140
acacttatgc	caacatttat	ctctggcaag	tgagataaga	aattccatgc	ctgtttcggt	1200
tttgacagcat	gtagctcact	ttctaccatg	gagctaaata	catggtcttt	ccctccacag	1260

gcatggatca	gttcaggaag	gcactcgatg	gaggtccgac	ccctagcatg	tgggcccttc	1320
ataatcggct	tccatttctt	gaaaagggtga	agatgatggt	tttctatggt	tggtagtgta	1380
agaagagaag	agtcctttta	ccaccgaccc	tggatcacca	tctgaatcag	gttggtgata	1440
ttcaggacag	tcaccagcca	gccttggttt	gcagccacgt	ccagcattgc	ctgacatact	1500
ctgagagctt	ggtccaagac	tgttttggtta	tcagtgtcat	aatctgggca	gggtagcatg	1560
gctcggctga	gatgtgcctg	tagcaggaga	tgtgctttgg	tgtgagggct	gtcaaatgaa	1620
tgaggatttg	attcaatggg	aagacatttt	gccagttcac	tattcatatg	atcttcattg	1680
tgtctcactg	gcaaactctgt	atattcttct	gcatcactta	gaattgaaa	cagttcttca	1740
gtactgcatt	caggcttcaa	gcggtccttg	aacattttta	ctgtttgatg	cttcaaatag	1800
taataggagg	caattcggcc	ataagttaga	ggttcaatgc	tgcgattatc	ctctccaatt	1860
tcaatacagt	aggaaagttc	caattcaatc	agggacttct	caatcagatg	ggacagaaa	1920
ttgttcacag	aatcatggct	cacatcaccc	aaattgtaat	agctgggatt	catgataaga	1980
cgtcggaaaa	agtaagtcca	ggtgatataa	tccaatgcat	cttgcttaga	tgtaatgtta	2040
ccaccagcaa	tctctgcatt	taagtgggtca	gagagcactc	ctaataaact	tgattctact	2100
gggaaagggt	cataaagaaa	ttttttataa	aagtctttct	ttatgtcatg	aactagaatt	2160
acagctttgc	cttggtcatc	gaactgcggc	ctcccagcac	gccccatcat	ctggaggaca	2220
tctgtaatgg	ggaaatccac	ataacgtctt	gtttttccat	catagtattc	tgttccctta	2280
ataattacta	aatgagctgg	aaagttttaca	ccccaggcta	atgtgcttgt	agcaataaga	2340
acctgaactt	tacagtttac	aaatagttcc	tctactgttt	ttcgggtccct	ctcatgtagt	2400
ccagcatgat	gcattcctat	cccgaagca	agggtcagct	tgaggttggg	atctcttact	2460
gttgcaatga	tgttctccat	ctctctttca	tccatgttta	accactgctt	tggatcttct	2520
tcagtagcca	ggaaggcgat	caattccaaa	gcagtaagac	gagtttgacg	tcttgatgag	2580
acaaatatca	aaacagggtt	ggctggagaa	tggcttctaa	ttgcctgaaa	tgcaggcttg	2640
ttcatactag	ccatacgagg	acagtaatgt	tgacctggaa	agccttgaat	gtgaacttcc	2700
agtggaactg	ggcgtactga	tggctcggag	ttaaacaagc	ccatctgctt	aatattgagc	2760
caatcagcaa	ggtctctggc	attagctaat	gcagtagata	gtccaactat	tctaacaggc	2820
ttttctgtgt	gtgatgagat	aaaatttggt	cgagatacaa	tgacctctag	aacagggcct	2880
ctttcctccc	caagcagatg	gatctcatct	atgatgagaa	tagtgacttg	ctgaacatag	2940
ttcctatttt	gccagcttct	gctgactcca	tcccacttct	ctggcgtagt	gacgataagg	3000
tcagccttgg	caatggattt	catatcagga	gtcacatccc	ctgttagttc	aataactttt	3060
ttaccaagtt	tttcttctat	tctaactttc	caatcatcca	ttctttcacg	tactagggct	3120
tttaggggtg	caatatatac	cgcctttgaa	gtagggtatt	tgttgaagac	tctgaaaatg	3180
gctaattcag	ctgcaacagt	ctttcccgat	ccagtaggtg	ctccaagtag	gacattacaa	3240
tccgtgtgat	acaatgtatg	aaatatattg	gtctgtacag	ggttaaagtg	gctgaagttg	3300
tacagggtct	catatgcttt	acatcccaaa	gctgtgattg	gtaaaggctg	aagatccagt	3360
aattctgtat	gaggaggatg	tctctctggt	agaattagat	gttgaaagt	gataatacat	3420
actgcctcag	cacccaacca	tctatcagac	actgctcgga	tgtagtattg	ggaaggcaaa	3480
ggctcaaaaa	tagggattgt	aaataccagt	agttgggctt	ctttactaat	gacttgtttt	3540
tttagagcta	gaaaatactc	tgaatgataa	atatgatcat	ttgtaggatc	ttctacccaa	3600
atccaccaag	gttctcctac	tgtcccatgt	acctgatcat	tccaagtga	atcagcatag	3660
atgctgagtg	tactcggag	gacagtcctt	gtgataggct	gaatgaatgc	ttccatcata	3720
acagaaggaa	tctgatgaac	acattgtttg	accttcagtc	caatattcac	atgatgtaaa	3780
atgtgacct	tttcatcttt	cctcatgtct	ttcagcttat	ccacagtaag	ctttttttct	3840
tctaactctg	ttagcatgtg	tgggtgtagg	attgaaaatt	gtctcaaagg	gctagcccaa	3900
cccaaagcc	tcttgtcaat	ggctttacta	agattcagga	gcctgtaggt	catggtaggc	3960
caacgtttcc	tcagagcaat	ttcaaaaaga	gcacggacaa	ttctagctgc	attctgtgca	4020
acatatgcag	aatctgatat	aaggagaaaa	ctgtccattt	ctcctcggtt	gatataagtt	4080
tgaagtaaga	tgtttatttt	cccataacta	ttctctacac	ctccaggagt	ggagagttca	4140
caaaaattgc	ttaataagggt	atctaactcc	tctatttctt	cttctctgac	cttaatttga	4200
tcaaatctct	cagcttttga	gactatggca	aagatatcac	cttctgtttt	gtgagcatca	4260
aagagttcat	taaagggtct	aatgggtgtg	tatttaatat	agtaatggct	ggcagttcta	4320
cccaaatcag	ttagggaaaa	atatccagtt	cgtcctctca	aacgaatcat	ctgagctttt	4380
gtctagtttt	cgtccaacct	tcaatgacca	aactgttctc	gatgctttct	ttaatgggtg	4440
gtcaatctga	taagccttgt	gactgatgcc	atatgcta	ggatttgctc	tcattcgcac	4500
ataaagata						4509

<210> 6061  
 <211> 3783  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <221> misc\_feature  
 <222> (97)...(3515)  
 <223> similar to gi36501 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

001210 3238450

```

<400> 6061
gtgaattccg caccatctct ctctgcctg tggggtttct gtcaactagt cgtggaggga      60
aggagactct ttaaagaata acatcttatt gtggccatgc cagaaccac taagaaagag      120
gaaaatgaag tgccagcccc agccccacc cgggaagaac caagtaaaga gaaggaggcc      180
ggaactacac cagcaaaaga ctggaccctt gtcgaaactc ctctgggga ggaacaagcc      240
aagcagaatg ccaactccca gctgtccatc ttgttcattg aaaaacctca aggaggaaca      300
gtgaaagtgt gtgaagatat caccttcata gccaaagtca aggctgaaga tctttctgag      360
aaaccacta tcaatggttc aaggaaatgg atggacctgg ccagcaaagc cggaagcac      420
cttcagctga aggaaacctt tgagaggcac agtcgggtgt acacatttga gatgcagatc      480
atcaaggcca aagataactt tgcaggaaat tacagatgcg aggtcaccta taaggataag      540
tttgacagct gttcatttga tcttgaagtg cacgaatcta ctgggactac tccaaacatt      600
gacatcagat ctgcttttcaa gagaagtgga gaaggccaag aggatgcagg agaacttgac      660
tttagtgggtc tcctgaaacg tagggagggtg aagcagcagg aggaagaacc ccaggtggac      720
gtatgggagt tgctgaagaa caccaaacc agtgagtacg agaagatcgc cttccagtat      780
gaatcaccca cctgcagcgg catgctgaag cgactcaagc gcagcatcag agaggagaag      840
aagagcgccg cttttgcaaa aattcttgat cctgtatatc aggttgacaa aggaggcaga      900
gtgaggtttg ttgtggagct ggcagatcca aagttggagg tgaaatggaa taaaaatggt      960
caagaacttc gaccagtac caatacatc tttgaagaca caagatgcca gagcatcctg     1020
aatatcgata actgtcagat gacagatgat tcagagtatt atgtgacagc cggtgatgag     1080
aaatgttcta ctgagctctt agtaagagag cctccaatta tggtgaccaa acagctggaa     1140
gatacaactg attattgtgg ggagagagtg gaattagaat gtgagggtgtc tgaagatgat     1200
gcccaagtaa aatgggttaa gaatggtgaa gagattatcc tgggtccaaac aagataccga     1260
attagagttg agggtaaaaa acacatcttg atcatagagg gagcaacaaa ggctgatgct     1320
gcagattatt cagtaatgac aacaggagga caatcatctg ctaaacttag tgttgacttg     1380
aaacctctga agattttgac acctctgact gatcagactg taaatcttgg aaaagaaatc     1440
tgacctgaagt gtgaaatctc tgaaaacata ccaggaaaat ggactaaaaa tggcctacct     1500
gttcaggaga gtgaccgtct aaagggtggt cacaaggga ggatccaca gttagtata     1560
gatcatgccc tcaactgaaga tgaagggtgat tatgtatttg cacctgatgc ctacaatgtt     1620
actctgcctg ccaaagttca tgttattgat cctcctaaga tcatcctgga tggctctgat     1680
gctgacaaca cagtgcagat gattgcagga aacaagcttc gtcttgagat ccccatcagc     1740
ggagaaccac ctctaaagc catgtggagc cggggagata aggtattat ggaaggcagt     1800
ggccggataa gaacagaatc ttaccctgat agcagcactc tggtcattga tatagctgaa     1860
agagatgact ctggtgttta ccacatcaat ctgaaaaacg aagctggaga ggcacatgca     1920
agcatcaagg ttaaagttgt ggacttccct gatcctccag tggcaccgac tgtgacagag     1980
gtgggagatg actggtgtat catgaactgg gagcctcctg cctacgacgg aggtctcca     2040
atcctaggat attttattga gaggaagaag aaacaaagct ccaggtggat gaggctgaat     2100
tttgatctct gcaaagaaac aacttttgag cccaagaaga tgattgaagg tgtggcctat     2160
gaggtccgca tctttgcagt caatgccgat tggcatctcc aagcccagta tgccctccag     2220
gccttttgtt cctttggccg taacaagccc tcctactctt ctgactgtgg actctgtcac     2280
tgacacgact gtcacgatga ggtggcgccc ccagaccac attggtgcag caggtttaga     2340
  
```

tggctatgtg	ctagagtatt	gctttgaagg	aagtacatca	gcaaaacagt	ctgatgaaaa	2400
tgaggaggct	gcctatgatc	tgccagctga	ggactggata	gttgcaaaca	aagatctgat	2460
tgacaagacg	aagttcacca	tcacaggtct	gccaacagat	gcaaagatct	ttgtgcgtgt	2520
gaaggctggt	aatgcagctg	gtgccagcga	gcccaggtac	tattctcagc	ccattctcgt	2580
gaaggaaatc	atagaacctc	caaagataca	cagtcaccaag	cacctgaagc	aaacatatat	2640
ccgccgagta	ggagaccgtg	tcattcttgt	tatccctttc	caggggaaaac	caagaccaga	2700
attaacttgg	aagaaggatg	gtgcagaaat	tgataagaat	caaataaaca	ttcgcaactc	2760
tgagactgat	acaatcatat	ttattagaaa	agcagagagg	agccactctg	ggaaatatga	2820
tctgcaagtc	aaagtggaca	aattcgtgga	gaccgcatca	attgacatca	gaatcattga	2880
ccgtccaggt	ccaccccaaa	ttgtgaagat	tgaggatgtc	tgggggagaa	atgtcgtctc	2940
cacatggact	ccaccaaagg	atgatggaaa	tgctgctatc	acaggctata	ccattcagaa	3000
ggctgacaag	aagagcatgg	aatggttacg	tgctattgag	catatcatcg	aaccagtgcc	3060
acatactgaa	ttggtcatag	ggaatgaata	ttacttcggy	gtcttttctg	aaaacatgtg	3120
tggcctcagt	gaggatgcca	ccatgactaa	agagagtgcg	gtgatcgcca	gggatggtaa	3180
aatctacaaa	aatccagtgt	atgaagactt	tgatttctca	gaggcaccca	tgtttactca	3240
gcctttgggt	aaccgcctat	gccatagcgy	ttacatggcc	accctaaact	gcagtgtgag	3300
aggaaatcct	aagcctaaaa	taacctggat	gaaaaacaaa	gttgctattg	tggtgatcc	3360
aagatacagg	atgttcagca	accagggagt	ctgtaccctg	gaaattcgca	agcccagccc	3420
ctatgatgga	ggcacttact	gctgcaaagc	agtcaatgac	cttgggacag	tgagattga	3480
atgcaaactg	gaggtgaaag	tcattgcaca	ataaggattt	ttgaatgtat	aatatcatct	3540
aaggtgggct	ctccttctgc	agactcctct	tgcaaggcgt	acctccaaac	ataattgatt	3600
catatctgcy	agacttacac	tcaagcaatc	ctgaggaata	ctgagggagg	gcctggctac	3660
tgtctctctg	cactctgctg	ctttgaaatc	tgggtgaaat	gagaaaaagc	attttctggt	3720
ttcccaccag	gcccccaagt	gtgggtctttt	tctttcctcc	taatgttgaa	gagaaaaaaa	3780
aaa						3783

<210> 6062

<211> 2799

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (11)...(2673)

<223> similar to gi288563 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 6062

tggcatttgc	atggtggccc	tgtctcatct	tggctctgct	ctccagcttg	gcagcctctg	60
gcttcccgag	aagccccttt	cggctgcttg	ggaaacggag	cctcccagaa	ggggtggcca	120
atggcatcga	ggtctacagt	acaaaaatca	actccaaggt	gacctccggt	tttgcacaca	180
atgtttgtcac	catgagagcc	gtcaaccgtg	cagacacggc	caaggagggt	tcctttgatg	240
tgagctgcc	caagacggcc	ttcatcacca	acttcacctt	gaccatcgac	ggtgttacct	300
acctgggaa	tgtcaaggag	aagggaagttg	ccaagaagca	gtatgaaaag	gctgtgtccc	360
agggcaagac	ggccggcctt	gtcaaggcct	ctgggaggaa	gttgagagaag	ttcacagtct	420
cggtcacgt	ggctgcaggc	agcaaagtca	ccttcgagct	aacctacgag	gagctgctga	480
agaggcacia	gggcaagtac	gagatgtacc	tcaaggcca	gcctaagcaa	ctggtcaaac	540
actttgagat	cgaggtagac	atcttcgagc	ctcagggaat	cagcatgctg	gatgctgagg	600
cctctttcat	caccaacgac	ctcctgggaa	gcgccctcac	caagtccttc	tcagggaaaa	660
agggccatgt	gtccttcaag	cccagcttag	accaacagcg	ttcatgcccc	acctgtacag	720

094872E"013100

actccctcct	caatggagat	ttcactatca	cctatgacgt	gaacagagaa	tctcctggca	780
acgtgcagat	agtcaatggc	tacttcgtgc	acttctttgc	acctcaaggc	cttccagtgg	840
tgcctaagaa	cgtggccttt	gtgattgaca	tcagcggctc	catggctggt	cggaaaattag	900
agcagacaaa	ggagggcctt	ctcagaatcc	tggaagatat	gcaagaggaa	gactatctga	960
atttcaccc	gttcagtggg	gatgtgtcca	catggaaaaga	gcacttagtc	caggccacgc	1020
ccgagaacct	ccaggaggcc	aggacgtttg	tgaagagcat	ggaggataaa	ggaatgacca	1080
acatcaatga	cgggctgctg	aggggcatca	gtatgctgaa	caaggcccga	gaggagcaca	1140
gaatcccaga	gaggagcacc	tccattgtca	tcatgctgac	tgatggggat	gccaatgttg	1200
gtgagagcag	acccgaaaaa	atccaagaga	atgtgcggaa	tgccatcggg	ggcaagttcc	1260
ccttgataaa	cctgggcttt	ggcaacaatc	tgaattataa	cttcctggag	aacatggccc	1320
tggagaacca	tgggtttgcc	cggcgcat	atgaggactc	tgatgccgat	ttgcagttgc	1380
agggcttcta	tgaggagggtg	gccaacccac	tgctgacggg	tgtggagatg	gagtaccccg	1440
agaacgctat	cctggacctc	acccagaaca	cttaccagca	cttctacgat	ggctctgaga	1500
tcgtggtggc	cgggcgcctg	gtggacgagg	acatgaacag	ctttaaggca	gatgtgaagg	1560
gccatggggc	caccaacgac	ctgaccttca	cagaggaggt	ggacatgaag	gagatggaga	1620
aggccctgca	ggagcgggac	tacatcttcg	ggaattacat	tgagcggctc	tgggcctacc	1680
tcaccattga	gcagctgctg	gagaagcgca	agaacgcca	tggcgaggag	aaggagaacc	1740
tcacggcccg	ggccctggac	ctgtccctca	agtatcactt	tgtgactcca	ctgacctcaa	1800
tggtggtgac	caagcctgag	gacaacgagg	atgagagggc	cattgccgac	aagcctgggg	1860
aagatgcaga	agccacaccg	gtgagccccg	ccatgtccta	cctgaccagc	taccagcctc	1920
ctcaaaaccc	ctactactat	gtggacgggg	atccccactt	catcatccaa	attccggaga	1980
aagacgatgc	cctctgcttc	aacatcgatg	aagccccagg	cacagtgctg	cgccttattc	2040
aggatgcagt	cacaggcctc	acagttaatg	ggcagatcac	tggcgacaag	agaggcagcc	2100
ctgactccaa	gaccagaaaag	acttactttg	gaaaactggg	catcgccaat	gctcagatgg	2160
acttccaggt	ggaggtgaca	acggagaaga	tcaccctgtg	gaacagggcc	gtgccgagca	2220
ctttcagctg	gctggacaca	gtcacagtca	cgcaggatgg	gctgtccatg	atgatcaaca	2280
ggaagaacat	ggtggtctcc	tttgagagatg	gggttacctt	cgtggtcgtc	ctacaccagg	2340
tgtggaagaa	acatcctgtc	caccgtgact	ttctaggctt	ctacgtggtg	gacagtcacc	2400
ggatgtcagc	acagacgcat	gggctgctgg	ggcaattctt	ccaacccttt	gactttaaag	2460
tgtctgacat	ccggccaggc	tctgacccca	caaagccaga	tgccacattg	gtggtgaaga	2520
accatcagct	gattgtcacc	aggggctccc	agaaagacta	cagaaaggat	gccagcatcg	2580
gcacgaagg	tgtctgctgg	ttcgtccaca	acaacggaga	agggctgatt	gatggtgtcc	2640
acactgacta	cattgtcccc	aacctgtttt	gagtagacac	accagctcct	gttgggatgg	2700
atggcccggg	ttttatggca	tctggaacat	gggcacagag	aggggcctgt	gggaggggct	2760
gggaaaataa	agtccaagg	cgagaccaga	aaaaaaaaa			2799

<210> 6063

<211> 2465

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (49)...(2275)

<223> similar to gil1707522 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 6063

gataaacc	caagacaca	aacatacctt	tcgagcagtt	gggccaagat	ggcggccgcc	60
gagggacc	tgggcgac	cgagctgtgg	cagacctggc	ttcctaacca	cgtcgtgttc	120



ttgcggctcc	gggagggact	gaaaaaccag	agtccaaccg	aagctgagaa	accagcttct	180
tcgtcgttgc	cttcgtcgcc	gccgccgcag	ttgctgacga	gaaacgtggt	ctttggcctc	240
ggcggagagc	ttttcctgtg	ggacggagaa	gacagctcct	tcttagtcgt	tcgccttcgg	300
ggccccagcg	gcggcgggccg	aagagcccg	cctgtcccag	taccagagat	tgctttgcat	360
aaatccaacc	ctgtttgaaa	tctatcaagt	cttgtaagc	ccaacacaac	atcatgtagc	420
acttatagga	ataaaaggac	ttatggtatt	agaattacct	aaaagatggg	ggaagaattc	480
tgaatttgaa	ggtggaaaat	caacagtgaa	ttgtagtacc	actccagttg	cgagagagatt	540
tttcaccagt	tccacctctc	tgactctaaa	gcatgctgca	tggtatccaa	gtgaaatcct	600
ggatccccac	gtagtgctgt	taacatcaga	caacgtaatc	agaatttact	cactacgtga	660
gccgcagaca	cccactaacg	tgataatact	ttcagaagcc	gaagaggaaa	gtctagtact	720
caataaagga	agggcggtata	ccgcatctct	aggagagaca	gcagttgcat	ttgacttttg	780
gccattggca	gcagtcccaa	agactctatt	tggacaaaac	ggcaaagatg	aagtagtggc	840
atacccaactg	tacatcttat	atgaaaatgg	agagactttc	ctgacataca	tcagtctgtt	900
acacagccct	ggaaatattg	gaaagctggt	gggtccattg	cccatgcatc	ctgcggctga	960
agataactat	ggttatgatg	cgtgtgctgt	actctgctta	ccctgtgtcc	ccaatatctt	1020
agtgatcgct	actgaatcag	gaatgctgta	tcactgtgtc	gtgctagaag	gggaagaaga	1080
agatgaccac	acgtcagaaa	agtcctggga	ttccaggatt	gacctcattc	cttctctgta	1140
tgtgtttgaa	tgtgttgagt	tggagcttgc	tttgaaactg	gcatctggag	aggatgaccc	1200
ttttgattct	gacttttctt	gtccagtcaa	acttcataga	gatcccaagt	gtccttcaag	1260
atatcactgt	actcatgaag	ctggtgtaca	tagtggtggg	ctaacttgga	ttcataaact	1320
tcacaaattt	cttggaatcag	atgaagaaga	taaggatagt	ttacaggaac	tctctacaga	1380
acagaaatgc	tttggtgaac	acatcctttg	tacgaagcca	ttgccttgca	ggcagccagc	1440
tccaattcga	ggattttgga	ttgtacctga	cattctggga	cccacgatga	tctgcatcac	1500
cagtacctat	gaatgcctca	tatggccggt	attaagtaca	gtccatccag	cgtctcctcc	1560
cctgctttgt	actcgagaag	atggtgaagt	ggcagagtct	cccctccgtg	ttctggctga	1620
aaccccgat	tcctttgaaa	agcatattag	aagcattttg	caacgtagtg	ttgccaatcc	1680
agcatttttg	aaagcttctg	aaaaggacat	agcccctcct	cctgaagaat	gccttcagct	1740
cctcagcaga	gccacccagg	tgttcagaga	gcagtacatt	ctcaaacagg	acttggcaaa	1800
ggaggagatt	cagcggaggg	tcaaattatt	atgtgaccaa	aaaaagaaac	aactagaaga	1860
tctcagttat	tgtcgagaag	agaggaaaag	tctgcgggaa	atggctgagc	gtttagctga	1920
caaatatgag	gaagctaaag	aaaaacaaga	ggatatcatg	aacaggatga	aaaaactact	1980
tcacagtttt	cactctgagc	ttccagttct	ctctgatagt	gagcgagaca	tgaagaaaga	2040
attacagctg	atacctgata	aacttcgaca	tttgggcaat	gccatcaaac	aggttactat	2100
gaaaaaggat	tatcaacagc	aaaagatgga	gaagggtgtg	agtcttccaa	aaccacccat	2160
tattctcagt	gcctaccagc	gaaagtgcac	tcagtccatc	ctgaaagagg	agggtgaaca	2220
tataagggaa	atggtgaagc	aatcaatga	tatccgcaat	catgtaaact	tctgacacca	2280
ccaggagctg	actcacacct	gaactgaaca	ccattgaagg	cttaaaccga	tattgtaaaa	2340
caggtagaat	tatctaattt	ataaaaagg	gttttgatga	cctttggtgt	ggttcatctt	2400
tttaaataatg	ttgttttata	ataattgagt	aatgctttt	atttaaaatt	tggaatgtgc	2460
tttat						2465

<210> 6064

<211> 1484

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (21)...(1377)

<223> similar to gi202212 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

```

<400> 6064
gcgggcacgga ggagctcaac atgcgtgagt gtatctctat ccacgtgggg caggcaggag      60
tccagatcgg caatgcctgc tgggaactgt actgcctgga acatggaatt cagcccgatg      120
gtcagatgcc aagtgataaa accattggtg gtggggacga ctcccttcaac acgttcttca      180
gtgagactgg agctggcaag cacgttgccc agagcagtgt ttgtggacct ggagcccact      240
gtggtcgatg aagtgcgcac agggacctac aggcagctct tccacccaga gcagctgac      300
accgggaagg aagatgcagc cagtaattac gccaggggcc attacaccat cggcaaggag      360
attgttgacc tagtcctgga ccggatccgc aaactggcgg atctgtgcac aggactgcag      420
ggcttcctca tcttcacag ctttgggggc ggcactggct ctgggttcgc atctctgctc      480
atggagcggc tctcagtga ttacagcaag aagtccaagc tagagtttgc catttaccca      540
gccccccagg tctccacagc cgtggtggag ccctacaact ccatcctgac caccacacg      600
accctggaac attctgactg tgccttcatg gtcgacaatg aagccatcta tgacatatgt      660
cggcgcaacc tggacattga acgtcccacg tacaccaacc tcaatcgctt gattgggcag      720
atcgtgtcct ccatcacggc ctccctgcga tttgatgggg ccctgaatgt ggacttgacg      780
gaattccaga ccaacctagt gccgtacccc ggaatccaat ttccccatgg cacacttacg      840
ccccaatcat ctgagctgag aaggcctacc acgagcagct gtctgtggcc gatataacca      900
atgcctgctt cgagccagcc aatcaaattg tcaagtgtga ccctcgccac ggcaagtaca      960
tggcctgctg catgttgtac aggggggacg tgggtcccca aagacgtcaa cgcggccatc     1020
gccaccatca agaccaagcg caccatccag tttgtggatt ggtgcccgcac tggatttaag     1080
gtggggcatta actaccagcc ccccacagtg gtccccgggg gagacctggc caaggtgcag     1140
cggggccgtgt gcatgctgag caacaccacg gccattgcgg aggcctgggc ccgcctggac     1200
cataagttcg atctcatgta tgccaagcgg gcctttgtgc actggtacgt gggagaaggc     1260
atggaagagg gagagttctc tgaggcccg caggacctgg cagctctaga gaaggattat     1320
gaagaggtgg gcgtggattc cgtggaagct gaggctgaag aaggcgaaga atactgaggg     1380
gaggtgtgg tgggttctcc actccactgc ccccccatg cgtggctgct ttcaagttct     1440
ttgcaattaa aggttctgta taaaaccaag aaaaaaaaaa aaaa                        1484

```

```

<210> 6065
<211> 2821
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(2822)
<223> n = a,t,c or g

```

```

<220>
<221> misc_feature
<222> (211)...(693)
<223> similar to gi57516 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 6065
ccaggggggca acaggagcag cagctcttct tgcaggaggt gcatttgac tttttgcact      60
tgcaggagcc ggcgcaggcg caggagccac cagcctcgca ggagcagttg ggggtccattg     120
caagccgagg tgagactgga gttcccaagc gagaagagaa gaggcagtgg aacacgtgga     180
gggcgtggag ggagcacagg ggtggccagc gtaggggtcca gcacgtgggg tggtagccca     240

```

```

ggcctgggtc agacagggac atggcagggg acacaggaca gaggggtccc cagctgccac 300
ctcaccacc gcaattcatt tagtagcagg cacaggggca gctccggcac ggctttctca 360
ggcctatgcc ggagcctcga gggctggaga gcgggaagac aggcagtgtc cggggagtgtg 420
cagcaggaca tcaccaggag ggcgaagcgg ccacgggagg ggggccccgg gacattgcgc 480
agcaaggagg ctgcaggggc tcggcctgcg ggcgcccgtc ccacgaggca ctgcggccca 540
gggtctggtg cggagagggc ccacagtgga cttggtgacg ctgtatgccc tcaccgctca 600
gcccctgggg ctggcttggc agacagtaca gcatccaggg gagtcaaggg catggggcga 660
gaccagacta ggcgagggcg gcggggcgga gtgaatgagc cctcttcttc tttttcatcc 720
cggtcacttt tggttacagg acgtggcagc tggttggacg aggggagctg gtgggcaggg 780
tttgatccca gggcctgggc aacggaggtg tagctggcag cagcgggcag gtgaggaccc 840
catctgccgg gcaggtgagt cccttccctc ccaggcctc gcttccccag ccttctgaaa 900
gaaggagggt taggggatcg agggctggcg gggagaagca gacaccctcc cagcagaggg 960
gcaggtgggg ggcaggagag ttagcaaagg tgacatcttc tcggggggag ccgagactgc 1020
gcaaggctgg ggggttatgg gcccgttcca ggcagaaaga gcaagagggc agggagggag 1080
cacaggggtg gccagcgtag ggtccagcac gtggggtggt accccaggcc tgggtcagac 1140
agggacatgg caggggacac aggacagagg ggtccccagc tgccacctca cccaccgcaa 1200
ttcatttagt agcaggcaca ggggcagctc cggcacggct ttctcaggcc tatgccggag 1260
cctcgagggc tggagagcgg gaagacaggc agtgctcggg gagttgcagc aggacgtcac 1320
caggagggcg aagcggccac gggagggggg ccccgggaca ttgcgcagca aggaggctgc 1380
aggggctcgg cctgcgggcg ccggtccac gaggcactgc ggcccagggt ctggtgcgga 1440
gagggccac agtggaactg gtgacgtgt atgccctcac cgctcagccc ctggggctgg 1500
cttggcagac agtacagcat ccaggggagt caagggcatg gggcgagacc agactaggcg 1560
aggcgggcg ggcggagtga atgagctctc aggagggagg atggtgcagg caggggtgag 1620
gagcgagcg ggcggcgagc gggaggcact ggcctccaga gcccgaggcc aaggcgggcc 1680
tcgcgggcg cgacggagcc gggatcgggt cctcagcggt cgggctggag acgaggccag 1740
gtctccagct ggggtggacg tgcccaccag ctgccgaagg ccaagacgcc aggtccggtg 1800
gacgtgacaa gcaggacatg acatggtccg gtgtgacggc gaggacagag gaggcgcgtc 1860
cggccttcc ctacacctta ggctggtggg gctgcggcaa gaagcgggtc tgtttcttta 1920
cttccctcac ggagtcggca cactatggct gccctctggg ctcccagaac ccacaacatg 1980
aaaggtagg ggccttccgc cacacttggg gtggggggca cgcgagagga gctgagtggg 2040
acctcactcc ttccccatcc acagaaatgg tgctaccag ctcaagcctg ggcctttgaa 2100
tcgggacaca aaacctcta gcttggaaat gaatatgctg cactttacaa cactgcact 2160
acctgactca ggaatcggct ctggaagggt aagctagagg aaccagacct catcagccca 2220
acatcaaaga caccatcgga acagcagcgc ccgacgacc caccocgcac cggcgactcc 2280
atcttcatgg ccacccctg cggcgagcgg ttgaccacca gccaccacat catcccagag 2340
ctgagctcct ccagcgggat gacgccgtcc ccaccacctc cctcttcttc tttttcatcc 2400
ttctgtctct ttgtttctgg agctgagctt tcctgtcttt ccttttttct gagagattca 2460
aagcctccac gactctgttt ccccgctccc ttctgaattt aatttgcact aagtcatttg 2520
cactggttgg agttgtggag acggccttga gtctcagtac gagtgtggcg tgagtgtgga 2580
ggccaccttt gggcaaagtg gctgtggcag gggcccgggc ggcccttcca tctggggccg 2640
ggtgaatggg gcgcgggctg tgtgcgagg cctcacctg ccctgccta gtctggaagc 2700
tcgacccgac atcacggagc agccttcaag cattccatta cgccccatct cgctctgtgc 2760
ccctcccan cagggcttca gcaggagccc tggactcatc atcaataaac actgttacag 2820
c

```

```

<210> 6066
<211> 4829
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (521)...(3429)

```

<223> similar to gi3327208 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 6066

tcagtgtggt	ggaattccac	agagtatatc	agtcctatcc	agctcattac	cgatgaatgt	60
gagaataact	tacatggcta	atagtagtag	agtatctctc	ctgggttttt	cttttcttca	120
agtgtttata	gctaaataca	ttctgggaac	acttagaact	tgctaattca	gtattgctac	180
ttttacagat	gagcctgaag	tcttgacaga	acctccaagt	gccacaacca	ctactaccat	240
aggatatctt	gcaacctgga	caactttggc	aggtttctcat	ggtaaaagaa	ataataccat	300
aactacaacc	agttcaaaga	ggaaaaaacag	gaaaaataaa	attactccag	aaaacgttca	360
aattatatatt	gatgatccac	taccaatttc	atacagtcag	ccagagaagg	tgaatggaga	420
gtccaagagc	agcagtagca	gcgagagtgg	ggacagtgat	aacatgagga	tttccagctg	480
cagcgatgaa	agtagtaaca	gcaacagcag	tcgtaagagt	gacaatcatt	caccagctgt	540
ggctactacc	actgtgagca	gcaaaaagca	gccatcagtt	cttggttacat	ttccaaagga	600
agagagaaaa	tctgtttctg	gcaaggcttc	aataaaaattg	tcagaaacta	tcagtgaagg	660
gaccagtaat	tctctatcta	cttgtagaaa	atctgtgtcca	tctccccctt	cttctccaaa	720
tgggaagtta	acagtagcaa	gtcctaagcg	tgggcaaaag	agggaagaag	gatggaaaga	780
agttgtaaga	aggtaaaaga	aagtatctgt	tccatcaact	gtgatatcca	gagtgtattg	840
aagaggaggc	tgtaatatca	atgctattcg	ggagtttact	ggtgcacaca	tagatattga	900
taaacagaaa	gacaagactg	gagaccggat	aatcactata	aggggtggca	ctgaatcaac	960
aagacaagca	actcaattga	ttaatgcttt	gatcaaggat	ccagacaaag	aaattgatga	1020
acttattcca	aagaatcggt	tgaaaagctc	ctcagcaaat	tccaaaatag	ggatcatcagc	1080
acctaccacc	actgctgcta	acacttcctt	aatgggaatt	aaaatgacaa	ctgtagctct	1140
gtcatcaaca	tctcaaactg	ccacagcact	cactgtgcct	gcaatttctt	ctgcatccac	1200
tcacaaaacc	attaagaacc	cagtgaataa	atgtgaggcc	tggtttttcca	gtttcttttc	1260
catttagcat	atcctcctcc	acagtttgca	catgctttgc	ttgctgctca	gactttccag	1320
cagatccgtc	caccaaggtt	gcccatgacc	cactttggag	gtacttttcc	accagctcaa	1380
tccacttggtg	gtccgtttcc	tgtaggcctc	ccagagctac	taactgcct	1440	
aagcctcaca	tggtgcctcg	ccatagcaat	cagaatagca	gtggttctca	ggtgaattca	1500
gcaggttctt	taacttcaag	cccaacaact	acaaccagtt	catcagcttc	aacgggtgcct	1560
ggtacatcta	caaattggcag	tccaagttca	ccttctgtcc	gaaggcagct	ttttgtcaca	1620
gttggtgaaga	catccaatgc	caccacaaca	acagtcacaa	ccacggcaag	caacaacaac	1680
actgcaccca	caaattgccac	atattcctatg	cctactgcca	aagaacacta	tccagtatca	1740
tccccatctt	ccccatcacc	accagcccag	ccaggagggg	tttctagaaa	cagccctttg	1800
gattgtggat	cagcatctcc	aaataaagtg	gcattcttct	ccgaacagga	agcaggtagt	1860
ccaccagtag	tagaaacaac	aaacactaga	cctccaaaca	gcagcagttc	ttctgggagt	1920
tcatcagctc	attctaataca	gcaacaacct	ccgggactctg	tttctcagga	accaagacca	1980
cctcttcagc	agtctcaggt	tcttcccccg	gaagttagaa	tgactgttcc	tccttttagca	2040
acaagttctg	ctccagtggc	ggtgccttct	actgccccag	tgacttacct	tatgcctcag	2100
acaccaatgg	gatgccccca	gcctactcct	aaaatggaaa	cccctgctat	tagaccaccc	2160
cctcatggca	caactgcccc	tcacaagaat	tcagcttcag	tgcaaaattc	atctgttgca	2220
gtcctcagtg	tcaatcacat	taaaagacct	cacagtgttc	cctcttctgt	ccagctacct	2280
tcgaccttaa	gtacacaaag	tgcttgtcag	aattcagtag	atccagcaaa	taagcctatt	2340
gctcccaatt	tcagtgcctc	cttaccattt	gggcccctta	gcacattgtt	tgaaaacagc	2400
cctacttctg	ctcatgcctt	ctggggaggga	tctgttgttt	catctcagtc	aacaccagaa	2460
tctatgctat	caggaaaatc	ctcatatttg	ccaaattcag	atcctttaca	tcagtctgat	2520
acttccaaag	ctccaggttt	tagaccacca	ttacagagac	ctgctccaag	tcctcaggt	2580
attgtcaata	tggactcgcc	atatggttct	gtaacacctt	cttcaacaca	tttgggaaac	2640
tttgcttcaa	acatttcagg	aggtcagatg	tacggacctg	gggcacccct	tggaggagca	2700
ccgcagctg	ctaactttaa	cagacaacat	ttttccccgc	ttagtttgtt	gactccgtgt	2760
tcatcagcat	caaattgattc	ttctgcacag	tcagtatcct	cgggagtctg	tgcaccatct	2820
cctgccccat	catcagtacc	gttaggggtca	gaaaagccca	gcaatgtgtc	tcaggacagg	2880
aaagttccag	tccctattgg	gactgaacgt	tctgcacgta	tcaggcaaac	tggaaacgtca	2940
gctccatctg	ttattggggag	caatttgtct	acatcagtag	gacatagtgg	catctggtcc	3000

09483725 012100

```

tttgaagggga ttggtggcaa tcaagacaaa gtagactggt gtaaccctgg gatgggaaat 3060
cctatgatcc acagaccgat gtctgaccca ggagtatttt cacaacatca agcaatggag 3120
cgagatagta caggaattgt aactccttct ggtacattcc atcagcatgt tcctgcaggc 3180
tacatggact ttcctaaagt tgggggtatg cctttttctg tgtatgggaa tgcaatgatt 3240
cctccagtag cacctatccc tgatgggtgct ggaggaccca tatttaatgg ccctcatgct 3300
gcagaccctt cttggaactc actgataaaag atggtttcca gctccacgga aaataatggc 3360
cctcaaacgg tgtggactgg accctgggca cctcacatga acagtgtgca tatgaaccag 3420
cttggctgat gaggatcagc ttgttagcct gcagattcct tttcatttgg aggaaatcac 3480
aagtggccga aaaaaaaaaat tatgctccca aatcattcta ctgatgtgct tgactgaagt 3540
gtgtaggctt tttgcagaag atcttactaa ctgacctatt ttctgtgaac atttgtgact 3600
gccattccc catcatcatc cgttttacct tagtttagcat ttttcttacc atttttcttt 3660
ttttctttcc ctcttcccct ttggacataa ctttctgttg aagctgttct ttggctgggt 3720
ggtttttagta ctgtaaactg cttctgagca aacacggaaa tttagcaaaa ttatgtaaac 3780
ttgatcctga agtttttagaa tggcaataaa atgtacaatt gtttacataa cagaaaaggc 3840
taagcagaaa gtaaatttca atatgtcagt atagaggctc tactttatgt agacttaaat 3900
taatgtgaga tatgtacctt catattcaga aatctggatg tttccttcat acattaaact 3960
attaataagc ataacttttc tactggtgta atttaagtat aaagtaaaat aatgggcatt 4020
atcattggat gtttcccccac attggctttt aaaataccca tcttgctttc tttttggttt 4080
attttagtga aggcacatat agaagaagaa atttctggct tttccatggt gttttattac 4140
cttttctcac ttttagaact aatacagact tatctcctca ctcttttttc tctccttacc 4200
tttaccacta ataccagtaa aattatcttt ctgatagtga aaagggtctg tcaagatttt 4260
cactgtaatg gctgctacag agatggacca tcttcatcat caccagtggg ttcttctaata 4320
tataaaatgt ttaaactttc tgagaattta aaaagccacc actgttccca gtcagcatat 4380
acaagctctt aatattctgt ttattaaata attcaatgta ctattttata ttggatgata 4440
ttgattctta acattggctt ttcagtcac aacagtcaac ataaaaattt caattttcag 4500
taatttagtg gaaaatatct tatttctttt ttcaatttta aaggcttcct gcttttttac 4560
ccttgatat tatcagtga aaggatcaac agttaatttg agccaagtaa taaaagaaat 4620
tctgcatttg tcacgaagac aatttatggt agacagataa atacacagat tacagtgtaa 4680
agtctccatt taacctgcct ataaaagata caaggccaca ctaaactact cagtgggatt 4740
tactatattc catccacttg aaacaataaa cagtaatgta tccaagaaga ttatgtgtcc 4800
taccctgtct catggaaaaa ttaattata 4829

```

```

<210> 6067
<211> 1801
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1270)...(197)
<223> similar to gi4337106 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 6067
tttttttttt ttaaaccaca aatgggggat ttattttctga ctctcagccc gtctctcacg 60
aagacagagc ctattgacca aaaacttcag gatctgcac tgagcagatc ccaggaaggg 120
gaagtcaaaag ggcccaggtc agaggcccaa gttcagactt cagcagcaga ctagggtcag 180
actttaccaa agtcagaact cgagggttcat gtaagtcctt agatcccgtc cccaagccct 240
gtctttcttc ctccctcctt ctctcctccc tccagctcag tgtggccacc cgaggggggg 300
atctccctcc cagccacagc tcgggtatcc caagctggga aatgtgtcac tgggggctgg 360

```

007270" 53288460

```

ggtgctgata tgtagcctag tccttcctgg tccctcttga ggacagtggg gatgggattg 420
gcacggccct caccocgggg tcccagcccc attcctggct cccagcccc cctcagcagc 480
agtttgaagc ccgggctgga gatgggcacc ccaagtggaa ggttgggagg ctgaggaccc 540
tgcgacagtg acagcaggtg agcagtggat gtgcggtggt tggaaatcttg gaagtgggtg 600
tcacagttct cgcagtactg gagggagggg gtagggagacc ggttttccgg gctccttgtc 660
tctccatggc tctccctgac catgcgggct acctcaggga agccagcttc ttcagcgagc 720
tgagccgcat ccctgccact cagctcacag acccccaccc aggcagcccc acggcccagg 780
agatagctca cagctgcccc ctggcccgtc cgagcagcac acatcagtgg ggtccaccag 840
aaggcatccc gggcgttgat attcccccca gctcctcctg cctcatgcgg ttccagcagt 900
ctcctaagtt ctggcaggtc cccctcctgg gctgccctca gtatccgggtg agtcatctta 960
tctcagcct caaggatct ccttcttcca tgtcttcctg atgctccttc tgccactgct 1020
tctgctgctg gtgccttcat tattcttctt ttctttctct ttctttctct ggcaggttca 1080
gtctgagata tctgggagtc agggagcgtg ctctcatccc caatcagggc ctcatagaaa 1140
gctcgggctg cagcccatc cagggtggac tctggcttct cgggctgtgg ctgctgctgc 1200
ccatccttcc agaggctcgt ggggtcagtg gctgggggtga aggtgatgag caagggccgg 1260
gacatggctt ttgggagaac tgagaaaatg ataccaggca agggaaggat gagacaagta 1320
agccaagctc gtggtgaccc ttagcaacc acagcctcag agaccagtag gaaaaaaaaa 1380
tcagcctggc cctttaagtc ttccgcgata ccatttcgga gtttctctt cccaaacaaa 1440
aatagatggg tactcccta gaagatctcg gggagagtct cctatacgtg ttgctgtgta 1500
gcttccgtac cgcaaatgg cgccattctc tcccctcatg aggcaggagc ccggaggaaa 1560
cagtatgcc gtcaagggtc tctggcggga ctgattcgca ctagggggccc aacaggcaat 1620
aaggacccag cggattggcc gaggataggc cagtcccctg ggcagcagcg ccgcgccggg 1680
actagagggg aacgtgagga gagctgcgga aagagatcca gcctggctcc ctctttccc 1740
cgccctaagt cagcctcttc acccagtgag cacaaaactg tattgcccag actcccgggc 1800
c 1801

```

```

<210> 6068
<211> 2461
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (544)...(1667)
<223> similar to gi4406600 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 6068
agatacgtat tgagtttgtt agctcaggaa tactgtgttc ccaactaaat accttccaca 60
aaagtgttat taaaagaagc tgtacctctg aagataaagt gggccagtct gaagctctat 120
ctagagtccct tcaagtagct aagaaaatga agttgatttc taatggagga gattctgctg 180
tagaaatgga tcggagaaat gtgtctgaat ttaagagtat taaaaaaca tcattaataa 240
aaaactgtga ttctaaaagc cagaagtata attgtttagt catggtgcta tctccatgcc 300
atgtgaagga aataaacata aaattcggac caaattctgg ctctaaagtg ccttttagcaa 360
cagttacagt aattgatcaa tcagaaacta agaagaagg ttttctgtgg aggactgcag 420
cattttgggc atttacagt tttcttgag atataatatt actcacagat gttgttattc 480
atgaggacca atggattggc gagacagtac tacaatcaac atttagcagt cagttattaa 540
atcttgggga gttattcatc tattcagcct gaagaatatt cccagtgtag tttgtggaag 600
ttgtacttca agacttactg gccatatgtg tccccaaaa cattcctacc tcagagatct 660
tccctccgag ggcagccctc agagggtgaa cagtatagac tttgtaggaa ttgggagcac 720

```

```

cttcaacctg atgtgttagt ccacgcagta ctaagagttg ttgatttcct atactgacag 780
aggcagtata cagttataga ggacagaagc agaaaaaagt tatgttaaca gtggaacagg 840
cccaagatca acattatgcg cttgtattat ggggtcctgg agcagcctgg gtaccctcaa 900
cttcaaagga aaaaagggtta tattttgggaa tttaaatatc tttttgttca gtgcaattac 960
acactagaaa acctagaatt gcatacaacg ccttggtcat cctgtgagtg cttgtttgat 1020
gatgatataa gggcaattac atttaaagca aaatttcaaa aaagtgcacc ctccctttgtg 1080
aagatatcag acttagcaac ccacctagag gataagtgtt caggagtggg tctgattaaa 1140
gccagatttt cagagctggc atttcctatt acagcatctc agaagatagc gctaaatgct 1200
cacagttctc tgaagagtat tttttcttct cttcccaaca tcgtatatac tggctgtgca 1260
aaatgtggat tggaaactaga aacagatgag aacaggatct acaaacaatg ttttagctgc 1320
ttgccattta ctatgaagaa aatatattat aggccagcgt taatgactgc cattgatgga 1380
agacatgatg tttgtatccg tgtagaatca aagctgatag agaagattct tctcaacatt 1440
tctgcagact gccccaacag agtgatagtt ccttcctcag agatcaccta tgggatgggtc 1500
gtggcagacc tgttccactc cttgttggca gtcagcgcag aaccttgtgt attaaagatt 1560
cagagccttt ttgtgttaga tgaaaacagc tatccattac aacaagattt ctccctcctg 1620
gattttttatc ctgacattgt aaagcatgga gccaatgccc gtctctgagg ccagaggaag 1680
aaattgcagg catttcaagg aagaagtact gaaatgattt gtcttttgaa ataaatgaat 1740
gacagggctt ttgctttgga ttttttatga aatataatgtt acaaagagaa ttgcactaga 1800
tatataaatt aaaacttttt tctaagaaaa tcctgtgagg tttaaaaaga ttgtttttgt 1860
cttttggttt cttcctttct cctggagaaa tgatctacca gtcaaggcaa tatgtagcag 1920
atccctggga attaaagggt tgcccatttg ttcactgtat ttagtccctg ctacattcca 1980
ggcattgtac taagtatggg gaaccacaga gaagacattc cctcagaaac tgctgcagtg 2040
ctttcgctta tccctacctt aaaaaccgtc aatgtgaaat catttccttg attataacta 2100
taatgataat ggattagttt atataaacct atgttttagac aagttcaaga caagcgtgtc 2160
tttctataaa aagtattgaa aatgaaggaa atgagatcat gtttcaattt attaaagcag 2220
ggaagagcat tctgtgggta gttcgtgtct aggatttgag tgccttactg aatgcattta 2280
ccagcaaaca tgtagcaatc tgttctctca ttgtgattgt ggaagaagct catgtaaaat 2340
gatagtcatt aatgaggaag tatggcgtgg tacttattct gtaagttcag agtatgctga 2400
gtgttaatag attatcatat tgccgtgaaa taaattcatg atgacatgaa caaaaaaaaaa 2460
a
2461

```

```

<210> 6069
<211> 2083
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (78)...(641)
<223> similar to gi5689810 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 6069
ggcacgcgca cgaacgcacg gccgcgcagc atctgtcttg ctggaagctt tttcctagag 60
gttgagcggg ttgcacaatg tcggaaatgg ctgagttgtc cgagctgtat gaagagagca 120
gtgacctgca gatggatgtg atgcctggcg agggtgacct tccgcagatg gaggtaggca 180
gcgggagccg ggagctatcc ctgcgtccct cccgcagcgg gccccaacag ctcgaggagg 240
aaggcccaat ggaggaggag gaggcccagc caatggcggc gccagagggg aaacggagcc 300
ttgctaacgg gcccaacgct ggggagcagc caggccaggt ggcgggagca gacttcgaga 360
gcgaggacga gggcgaggaa tttgatgact gggaggacga ctacgactat cccgaagagg 420

```

agcagctcag	tggtgccggc	tacagagtat	cagccgctct	tgaagaagcc	gacaagatgt	480
ttctgagaac	aagagaacca	gccctggatg	gcgggtttca	gatgcattat	gagaagaccc	540
cgtttgatca	gttagctttt	atcgaagagc	tttttttcac	tgatggttgt	caatcgtctg	600
accgaagaac	tcggctgtga	tgagattatt	gatagagagt	agttagatgc	tgtaaaaaga	660
ggaggaaact	acttgaggag	ggacccaact	ttccgctatc	ttttgggttc	attccaaata	720
gttttggtcc	attgaaaaac	tgaccttca	aaaaaatttg	tttttcagaa	tagaacacaa	780
taggacagtg	actgcacagt	tgtgaaaaag	gaagagaatc	attaaagaaa	aagaaaaaag	840
attttaagac	cgttgaaatc	aattatcaag	aacgtcctaa	aacacctatg	gctttgactt	900
tgttattgat	ccagattatt	ttccttgcac	tggggaaaaat	atctttcata	tttgtttgct	960
gtaaagatgg	ttttgcaaga	ataagtcacg	accaagacaa	actgccaaata	caaaagccca	1020
ctgatactaa	ttatataatg	agaaaaaaat	gtatccaact	aggacacata	tcttttgagt	1080
tatttggact	gaaagcttaa	gaaaacttgg	aaaattctat	tttgtgatct	agtcaagcca	1140
cagttatcaa	aggctacatt	ttcagtgtaa	gataaatgga	tgagtaaact	caaatatgta	1200
tcacgtgtgc	tttgtatctt	aagatgtggt	tccaagagca	ctgaaaattt	tgtttgtaca	1260
tgtatcttga	tcattttataa	agccactgtg	atctataaat	caagaaaatc	cattgtcata	1320
accattttta	aaagtcaaaa	attaagacat	ccttaattaa	aaagtttcaa	atctagacac	1380
taaatgtgtg	tgaatgtaca	aagaaaacaa	accattgctt	atgctgttat	atactagaga	1440
aattttgttt	tgcttgctgt	tttaacttga	cagatgaagg	acttttagttg	aacttcatat	1500
tgtaagaact	gttaataaaa	gttgtcaagt	aaaaagcgct	atatctaaaa	agactttatg	1560
aacagttatt	ctatcaactt	ttaaagggtt	taaacctgcc	cagaaattac	cttggtatct	1620
gaagtttccc	tctgtctcct	cctctaatta	agcttgttat	ttgtcatgca	ccagcattgg	1680
agataataaaa	atttcttggt	ctgtgtattt	tgtttggtca	atagtattgc	atacatactt	1740
tctctgtata	ctactttcta	ttgtatgtgt	taaccagtat	taagggaaaa	tgatccagct	1800
tcagctatct	aattcacaaa	ttaatttctg	gaaattaaac	tttgtaaatt	aagtttttgc	1860
ctataagaat	ttgctggctc	gggaaaacct	gccctatcaa	tgagtatgtt	gccgtggtta	1920
ccttactaag	atgctgaagt	ctcaggagag	taatgattac	atcagaaggc	taggttcagc	1980
aaaataagtg	tatcagcagg	ttttatcatg	atcagtaaaa	atgttccaaa	tgcttctgct	2040
ccattatagc	agtaaagaac	gaatatccaa	tgcaaaaaaa	aaa		2083

```
<210> 6070
<211> 766
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (697)...(248)
<223> similar to gi5932428 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```

4616



cgctgcacct	cccctggcgt	cgggctggcc	cccaggcacc	tcatggccac	catgaggctcg	600
gtggctttta	tcttccccct	ctgctgcttg	tcatacaggg	agaagcattc	cttgtactca	660
ttaatttggt	cttgggaaag	aaacttggcc	attctggggc	ctcagctgct	acccgtgggc	720
ttgctgctcc	cagaaccgcg	ttcagttccc	tttcctccct	cgtgcc		766

<210> 6071  
 <211> 412  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(413)  
 <223> n = a,t,c or g

<220>  
 <221> misc\_feature  
 <222> (8)...(343)  
 <223> similar to gi34201 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 6071						
ggcacgagct	ggaaggctgt	ggtcgaaggc	catttttttt	tgctagtatt	aagcggagtg	60
ggtctccaga	accaaaggga	gctcattctt	ctcaaaattg	acggtgttta	tgcccaagaa	120
gaaactgaat	tgtatttggt	caagagatgc	gcttatgtac	acaaagcgag	aacagcacac	180
tgactcctgg	cggcaaacca	aacaaatcca	gagttatctg	gggaagggtc	actccggcgc	240
acggaaacag	cggcatggtt	catgccaaat	tccgaagcaa	tcttcctgct	aaggccactg	300
gacacagaat	ccatgtgatg	ctgtacctct	caaagattta	gaactaacga	aagtaaataa	360
ataaaaagtg	atttgtcaaa	tcgggcggnc	gtggcggtc	aacgctgtaa	tg	412

<210> 6072  
 <211> 3577  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (70)...(823)  
 <223> similar to gil212951 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 6072						
gctcggtaaa	tatgtgttca	ttaactgaga	ttaaccttcc	ctgagttttc	tcacaccaag	60

gtgaggacca	tgtccctggt	tccatcactc	cctctccttc	tcctgagtat	gggtggcagcg	120
tcttactcag	aaactgtgac	ctgtgaggat	gccccaaaaga	cctgccctgc	agtgattgcc	180
tgtagctctc	caggcatcaa	cggttccca	ggcaaagatg	ggcgtgatgg	caccaaggga	240
gaaaaggggg	aaccaggcca	agggctcaga	ggcttacagg	gccccctgg	aaagtgtggg	300
cctccaggaa	atccaggggc	ttctgggtca	ccaggaccaaa	agggccaaaa	aggagaccct	360
ggaaaaagtc	cggatggtga	tagtagcctg	gctgcctcag	aaagaaaagc	tctgcaaaaca	420
gaaatggcac	gtatcaaaaa	gtggctgacc	ttctctctgg	gcaaacaagt	tgggaacaag	480
ttcttcctga	ccaatggtga	aataatgacc	tttgaaaaag	tgaaggcctt	gtgtgtcaag	540
ttccaggcct	ctgtggccac	ccccaggaat	gctgcagaga	atggagccat	tcagaatctc	600
atcaaggagg	aagccttcct	gggcatcact	gatgagaaga	cagaagggca	gtttgtggat	660
ctgacaggaa	atagactgac	cctacacaaa	ctggaacgag	ggtgaacccc	aacaatgctg	720
gttcctgatg	aagattgtgt	attgcctact	gaaaaatggg	ccagtggaat	gacgtcccct	780
gtccacctc	ccatctggcc	gtctgtgagt	tcctatctg	aagggtcata	tcactcaggc	840
cctccttgtc	tttttactgc	aaccacaggg	cccacagtat	gcttgaaaaag	ataaattata	900
tcaatttcct	catatccagt	attgttcctt	ttgtgggcaa	tcactaaaaa	tgatcactaa	960
cagcaccaac	aaagcaataa	tagtagtagt	agtagttagc	agcagcagta	gtagtcatgc	1020
taattatata	atatttttaa	tataactat	gaggccctat	cttttgcac	ctacattaat	1080
tatctagttt	aattaatctg	taatgctttc	gatagtgtta	acttgctgca	gtatgaaaat	1140
aagacggatt	tatttttcca	tttacaacaa	acacctgtgc	tctgttgagc	cttcctttct	1200
gtttgggtag	agggctcccc	taatgacatc	accacagttt	aataccacag	ctttttacca	1260
agtttcagggt	attaagaaaa	tctattttgt	aactttctct	atgaactctg	ttttctttct	1320
aatgagatat	taaaccatgt	aaagaacata	aataacaaat	ctcaagcaaa	cagcttcaca	1380
aattctcaca	cacatacata	cctatatact	cactttctag	attaagatat	gggacatttt	1440
tgactcccta	gaagccccgt	tataactcct	cctagtacta	actcctagga	aaatactatt	1500
ctgacctcca	tgactgcaca	gtaatttcgt	ctgtttataa	acattgtata	gttggaatca	1560
tattgtgtgt	aatgttgtat	gtcttgctta	ctcagaatta	agtctgtgag	attcattcat	1620
gtcatgtgta	caaaagtttc	atccttttca	ttgccatgta	gggttccctt	atattaatat	1680
tcctcagttc	atccattcta	ttgttaatat	gcacttaagt	ggcttccaat	ttttggccat	1740
gaggaagaga	acccacgaac	attcctggac	ttgtcttttg	gtggacatgg	tgactaatt	1800
tcactaccta	tccaggagtg	gaactggtag	aggatgagga	aagcatgtat	tcagctttag	1860
tagatattac	cagttttcct	aagtgtattgt	atgaatttat	gctcctaccg	gcaatgtgtg	1920
gcagtccctag	atgctctatg	tgcttgtaaa	aagtcaatgt	tttcagttct	cttgattttc	1980
attattcctg	tggatgtaaa	gtgatatttc	cccatggttt	taatctgtat	ttccccaaca	2040
tgtaataagg	ttgaacactt	ttttatatgc	ttattgggca	cttgggtatc	ttcttctgtg	2100
aagtacccgt	tcacattttt	gtattttgtt	taaattagtt	agccaatatt	tttcttactg	2160
atttttaagt	tatttttaca	ttctgaatat	gtccttttta	atgtgtatta	caaataattt	2220
gctagttttt	gacttgctcc	taatgttgaa	ttttgatgaa	caaaatttcc	taattttgag	2280
aaagtcttat	ttattcata	tttctttcaa	aattagtgtc	ttttgtgtca	tgtttaagaa	2340
atttttgccc	atcccaaaat	cataagatat	ttttcatgat	tttgaaacca	tgaagagatt	2400
tttcatgatt	ttgaaatcat	gaagatatatt	ttccattttt	ttctaatagt	tttattaata	2460
aacattctat	ctatttcctgg	tagaatagat	atccacttga	gacagcacta	tgtaggaaag	2520
accatttttc	ctccactgaa	ctagggtggt	gcatttttgt	aagttaggta	actgtatgtg	2580
tgtgtgtctg	tttctgggct	gtctattcta	gtctatttgt	tgatgcttgt	gtcaaacagt	2640
acactatctt	aattattgta	catttatagt	tgtaactgta	gtccagcttt	gttcttcttc	2700
aagtcaagat	ttccatataa	atattagaaa	cagtttctca	atctctacaa	aatcctgatg	2760
aggtttctac	tgggaccaca	ttgagtctat	caatcaactt	atgcagaact	ggcaacttac	2820
tactgaatct	ctaatacatg	ttcatcatgt	atcgcttcat	ttaactagga	tttctctaac	2880
ttaattgcta	tgttttgaga	tttttagttt	aaaaaccttg	tatatcttgt	tttgggtggt	2940
ttagtgtttt	taataatata	ttttaaatat	tttttctttt	ctattgttgt	acacagaaat	3000
acagttaagt	tttgtgtgta	gtcttacgat	gttttagtaac	ctcaataagt	ttatttctta	3060
aatctagtaa	ttttagatt	cctctggatt	ttgtatatgc	atagtcatgt	aagctgaaaa	3120
tatggcaata	cttgcttctt	cccaattgct	ttacctttt	tcttacctta	ttgcactggg	3180
tagcaacccc	aatacagaga	ccaccagagc	aggatatagac	tcctgaaaga	caatataatg	3240
aagtgtcca	gtcaggccta	tctaaactgg	attcacagct	ctgtcactta	attgctacat	3300
gatctagagc	cagttacttt	gtgtttcagc	catgtatttg	cagctgagag	aaaataatca	3360
ttcttatttc	atgaaaattg	tggggatgat	gaaataagtt	aacaccttta	aagtgtgtag	3420
taaagtatca	ggatactata	ttttagggtc	taatacacac	agttatgccg	ctagatacat	3480

gctttttaat	gagataatgt	gatattatac	ataacacata	tcgattttta	aaaattaaat	3540
caaccttgct	ttgatggaat	aaactccatt	tagtcac			3577

```

<210> 6073
<211> 2626
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (138)...(1318)
<223> similar to gi475210 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

00483725 04100

<400> 6073						
gccgtgggat	cccggatagg	aggaggagg	gacccatagg	acgcgttaac	atggacctgg	60
aaaacaaaagt	gaagaagatg	ggcttaggtc	acgagcaagg	atttgagacc	ccttgtttaa	120
aatgcaaaga	aaaatgtgaa	ggattcgaac	tgcacttctg	gagaaaaata	tgtcgtaaact	180
gcaagtgtgg	ccaagaagag	catgatgtcc	tcttgagcaa	tgaagaggat	cgaaaagtgg	240
gaaaactttt	tgaagacacc	aagtatacca	ctctgattgc	aaaactaaag	tcagatggaa	300
ttcccatgta	taaacgcaat	gttatgatat	tgacgaatcc	agttgctgcc	aagaagaatg	360
tctccatcaa	tacagttacc	tatgagtggg	ctcctcctgt	ccagaatcaa	gcattggcca	420
ggcagtacat	gcagatgcta	cccaaggaaa	agcagccagt	agcaggctca	gagggggcac	480
agtaccggaa	gaagcagctg	gcaaagcagc	tccctgcaca	tgaccaggac	ccttcaaagt	540
gccatgagtt	gtctcccaga	gaggtgaagg	agatggagca	gtttgtgaag	aaatataaga	600
gcgaagctct	gggagtagga	gatgtcaaac	ttccctgtga	gatggatgcc	caaggcccca	660
aacaaatgaa	cattcctgga	ggggatagaa	gcacccagc	agcagtgggg	gccatggagg	720
acaaatctgc	tgagcacaaa	agaactcaat	attcctgcta	ttgctgcaaa	ctgagtatga	780
aagaaggtga	cccagccatc	tatgccgaaa	gggctggcta	tgataaactg	tggcacccag	840
cttgttttgt	ctgcagcacc	tgccatgaac	tcctggttga	catgatttat	ttttggaaga	900
atgagaagct	atactgtggc	agacattact	gtgacagcga	gaaaccccga	tgtgctggct	960
gtgacgagct	gatattcagc	aatgagtata	cccaggcaga	aaaccagaat	tggcacctga	1020
aacacttctg	ctgctttgac	tgtgatagca	ttctagctgg	ggagatatac	gtgatgggtca	1080
atgacaagcc	cgtgtgcaag	ccctgctatg	tgaagaatca	cgctgtggtg	tgtcaaggat	1140
gccacaatgc	catcgaccca	gaagtgcagc	gcgtgacct	taacaatttc	agctggcatg	1200
catccacaga	gtgctttctg	tgtctttgct	gcagcaaatg	cctcattggg	cagaagttca	1260
tgccagtaga	agggatggtt	ttctgttcag	tggaatgtaa	gaagaggatg	tcttaggagg	1320
agggcaccca	gaagtatcga	gccatagcta	tccaaagtgg	tctgcatttc	tactgtaaaa	1380
tgcaatttga	aaaaaataaa	acgcaaaaaa	agaaactgta	aaggaaacca	agagattttg	1440
tttaattttt	ttggccattt	tttcttcata	aatttttttt	cggtctcaac	ttttaaaactt	1500
ggtttaagca	tttgatttgt	aaaacagtaa	ataattgtat	ctttccatag	cttttcaaat	1560
gtgaaatcat	ttttggaagc	ttggatctca	ttaaacttca	tgtctctatt	ccatttgggc	1620
cacacactta	aaagttagtg	tactgaatgg	aaagatgagc	attcctagtt	ctacacttct	1680
tttttcccc	tcatgtgtaa	aatgaaaaga	aaactaaatt	tgccctaata	ccaaggcgct	1740
acgtttattg	cctcgtctta	ttcactgacc	tttgtaatga	tacacagtga	attctttttg	1800
acaaagagaa	atgcagtgtg	gtatgcagag	ctgctgtttt	aatgcctatg	catttactct	1860
ttcctgattt	aggcagaggt	ggcattttct	ttattgcatt	tctctatttt	tttaatgtac	1920
cctaccttca	gtattctctt	tgtaaagtgg	tgacttgcat	ctgtggcctt	gaatatttta	1980
ttatcacatg	tggcataaca	gtatccacac	tttttagttc	tttatttttt	ttttttattt	2040
tggagcaatt	ctcctgcctc	agcctcccca	aatagctggg	ataacagggtg	catgccacca	2100



ggggcattgg	agagggcagt	caggactctc	atgtgggact	tttagtaata	ttaattgtta	1440
tcacatcttc	acatacgtta	caatactgat	ctcctcaaag	aaatgaagat	ctccctccat	1500
ctcttttttaa	aacttataca	aagggatgtg	ataacagtag	tgactaatat	tagccttttc	1560
cttgggagaa	atctgtggaa	atacagctga	aggtctttct	ttctatagtt	gacagaagta	1620
aataaatatg	gtcctgtttt	attcttttaga	aatagatgtg	tagttgtaat	tgttatgctt	1680
tacaactgca	aaaatattca	ttaacatgca	ttaacctgta	agcactgggt	agaggggtgt	1740
accagtaag	gtcatctcct	aatctgtgta	tagaacataa	tagagctctc	ctccctttct	1800
attcactcct	gtccctagac	ctaaaagaaa	taaaaaaagt	tcctgactat	gcatctacca	1860
gcgcactctgt	gctgcttaag	gctggaccta	cttttcttat	caaacagtat	aaaacaaaca	1920
tacattgaat	tcctggtttc	ggaagtattt	tttcatatcc	tcaaccgagc	ataccaagtgt	1980
ttacatcttg	agggatcaca	acgaagcatg	cattgatgta	aaacaataaa	atggggagta	2040
gcaatggggc	tgttaccaa	aagcaactcc	aagaaaataa	gatttagcaa	actgtaaaat	2100
caaaaacatc	acacaatgga	cacttttatt	aacaaagtaa	aggcttagtg	aaaaggcagc	2160
aaatgagata	gacattttta	gtaaagaaa	catttctttg	cttgaatgtc	ctttagccaa	2220
ttaaaaaata	tttatttttaa	acacatgaaa	atgttgtgaa	ggtagtattg	taattaaatt	2280
gcaataaaatt	gaactaaatt	tttctttatt	cagctgccag	ggggatgggt	aacattactt	2340
taattgttga	aataatttct	atttaaaata	gtcttatgaa	agaaagcctt	tttctgatac	2400
ctagttgaaa	tgtttgataa	tattctaaat	gaaattagtc	aattgattat	ccttaatctt	2460
cctcatcctg	tgtcataatc	cggtggctct	gtcaacagga	gaaaaaccac	tattaacaga	2520
aagcctaacg	taagtataca	acatctaaaa	taaatcaatt	tcaaatggat	atagagagtgt	2580
agaaaacagc	aactgaatca	aataggtaag	ctggtactga	cttggcttcc	aaggcaaatt	2640
tcttcgctgg	ctatgaaggg	ttgaaatttc	tttactgaa	cgttacaatc	caaattaacc	2700
tgtttttaggg	gttcttctgt	tacccatttt	tctttcatgt	ggtgaatata	aactgaatta	2760
tcattggtcaa	atagtttctg	ggaatagaat	actacagaca	catacaatga	tttagcaggc	2820
tactgtgatt	ttatatacaa	ttgataaact	taaacaattg	ctatataagt	tttatttcaa	2880
aacacctagc	attgtatttc	tggaanaagaa	actgaacatt	gagcaacctc	agttaatcca	2940
ttaaacgagt	gccaccacaa	ataagacaac	aaacagagaa	caagtttctt	atcttcaagg	3000
actgaaccta	atggccatac	caattatatt	attccgattt	gtcacttttag	tacaacaaaa	3060
taggatgtta	atccattacc	actgttcttc	cattcgagag	gcagctgatg	gttaaagcgc	3120
ccgtaacata	catcgattat	ttttatccca	tgactttatt	gtatgttttag	aaagggtgaa	3180
cagcagaaga	aaaagaggct	ggacaaaaga	cgttgatgtt	ttgttcttcc	agatgtatgc	3240
agagctgatt	atgagtacga	ttttaatttta	tttctcctga	tgaagagcct	caatgaaagc	3300
atcaagttttt	tcttgaattt	ctctaacttt	cttgagggtct	tccgccagtt	gaacgcgttt	3360
accagtaagc	aatttaattct	tcttctcacc	atcttcagca	aaatcttcca	atacctcttt	3420
aacattttttc	tctaactgcc	taacttcagt	atgtgtaagt	tggtgcctta	aagtatttgc	3480
ggtgatagca	agcatgcgct	gtatacgcca	aaacaagacc	acatcattgc	attccaactc	3540
agaatctaca	aaatgccttt	ggtagtaata	aaaacctctt	cgacaaaggt	tacaatgggt	3600
tagagctggt	tttaaaaaat	gtcttctata	aacttgatgc	caagtatcct	taatcaagct	3660
tggtactact	tctactcttc	gggattcaag	gttcttccgg	actgtgggta	tttcatcact	3720
tgcaagataa	gctgggtgct	cctcattaca	tttcaacatc	ttctccaatt	cattcttggt	3780
ttcattgtga	acacactgtt	cttgggtccg	attcttccag	gtataaccac	ctcttttccc	3840
aggtctggac	ccaccatggt	ttcaattgca	ttttcagtat	ccttgagacg	agcctgcaga	3900
gcctcttcca	taaaataaat	agctgcatcc	cattgctgtt	tatcagatat	ggatcggtct	3960
tccaaagcat	tgtgttgaat	aaccttcaag	ctgtcctccg	caaagtcatt	ccacttgtgt	4020
cgtttaatac	tttcttccct	aacggcctct	ttaagtttat	caaatatgtc	atcatgctct	4080
ttcccttttcg	gttctgtcat	aaagcgggaa	aattcttctt	gtaggggtctc	ccaagcaacc	4140
tctactgctt	tattaggaag	ttgtttatca	gtccactgtt	taagcttgat	atccactgtg	4200
gtgttaaaaag	ttcttgaatt	catggtctgc	gcagctggaa	ggtagatgtt	ttcaatcaca	4260
tgagttgata	ctctttccca	caaagattgt	tgaaggattt	cctcccaatg	ttttgggtga	4320
acctggctca	gactgataac	ttcatcaagg	atttcatttt	tagctttttc	aaatagttca	4380
ttccgggtcaa	gttcccgtag	gcgaggatag	ttattcttcc	attcagtttc	aagggttaaaa	4440
cgtgttgctt	tgaaactatc	agcctgttgt	tcaacagact	ctcgtaccat	tttccaaaag	4500
cagtctgata	ctgcaaggct	taaaatttctt	gtagtcactt	ggtgtgcctt	tagcatgctt	4560
gtcttttagga	gctttgaatt	ctgaaaaaac	tcttcttcat	attctcttat	agcttcaatg	4620
ctttcagagc	tgttcccttt	tctgtttaca	acagcaaaat	aacctaaagc	tttcattggg	4680
aagagctttc	cttcaattat	ctgctgaatc	ctgcttgtag	tggtctacatt	tttctctgcc	4740
aggtctactt	tggtcaaaac	gaatatggtt	ctccttccat	gaggggtccat	ttgactgacc	4800

```

aagtctgtaa caatactgcg ttcagcatcc acagatccat cttgaataca cagtatgatg 4860
gcattaggat cctgcatgta agctttgctg atactgaaaa tagtttcctt tgtgtcagga 4920
gccatgcctg atgtcacagt attaatacaca cctggtaagt caacaagcac catcctctgt 4980
agtccagggc cttttacatt taaggatatg gtctcagggc taacgggtaca gccttctttc 5040
acatTTTTcc tcattcgaag ttctatttca tgtcttaatg ctgcaagatc ttcttctttg 5100
gtaagatcaa actcccgaga actatcttta aatagggcca catgggtgagg accttcactc 5160
agagtcacct taactggaga acgtgtcatc atctccccag atcctcttgg gaatattcga 5220
gcttgggcaa tcattttcaa cacactagtc tttccagcac tctgatctcc aaccacaaca 5280
acccgtggca gatgatcttg cgtattataa ctggcatcat aatcagagag aacatcaaga 5340
acttcagaat acatgtcaat caaagatttc cttaagcttt ctatgaatgg aatgcctttg 5400
tcactcttct gcaatactaa ttttctcaat tctttgttct ccttttctaa tcgttccaag 5460
attctctgat acttcaactg agtgtgcaga agttcttctc gaagttggtc aattttctct 5520
ttgtctgaca cctttctaaa atgcttgtca ctttcagatc cacgatctgt tgctctaaac 5580
gccgtttctt ccggagaacc tgaggtaaaa aagtccttca ataagctaag gctttcaaca 5640
atcttgtcaa agtctgggtg taactttaca aggtcttctg aactaggaag ggcttttcta 5700
atTTTctcaa aatcgatata ctcatcaatt tcccacacaa tgtcaggcac aatccattta 5760
tattcactaa ggtccggtat catatctttc cactgatcaa aagtcttttt ggctgtgtag 5820
ccaccccaaa cagccgatcc tagtatgaga tagcgaagtt ttaagagtct cgtagctaat 5880
cttgcctggc aaaaattcct gcgaggctgg tagccatatt taattggaga gaatttcagt 5940
ttacgtaaag gaaggtttgt cagagaagag aactgctgaa aggatgtcct taattggggt 6000
cgttgaagct ttaaggtagg atgatgtgaa tgataaatgc ttcgtgaaac cagatgtagt 6060
ttttgtagtg gtaaacttcc ttttattcca gagctgtgtt tcaactaaaga ctggcagacc 6120
tcacaggcca cagcggcccg acgtagtcgc cacatcccgc cggcggggag gtcacgcagg 6180
cgccgagacg gccacgcggg cagcccccg gtgagcccca gcccggtcc cgggtccagga 6240
atgaccagag aagtggccct cagcagcaag ggcacagagc cgcggccgag acgaaatcgt 6300
cgaccggga attccagann nnngetcttc gaaagacntc agtntcgang gnatcagtc 6360
cgctnnngtc cgact 6375

```

<210> 6075  
 <211> 1891  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (178)...(1397)  
 <223> similar to gi5231137 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

```

<400> 6075
tgcaggaaatt cggcagcagg ctgagcggat cctcacacga ctgtgatccg attctttcca 60
gcggcttctg caaccaagcg ggtcttacc cgggtcctcc gcgtctccag tctcgcacc 120
tggaacccca acgtccccga gagtccccga atccccgctc ccaggctacc taagaggatg 180
agcgggtgctc cgaaggccgg ggcagccctg atgctctgcg ccgccaccgc cgtgctactg 240
agcgtcagag gcggaccggt gcagtccaag tcgcgcgct ttgcgtcctg ggacgagatg 300
aatgtcctgg cgcacggact cctgcagctc ggccaggggc tgcgcgaaca cgcggagcgc 360
acccgcagtc agctgagcgc gctggagcgg cgctgagcgc cgtgcgggtc cgctgtcag 420
ggaaccgagg ggtccaccga cctcccgtaa gccctgaga gccgggtgga ccctgaggtc 480
cttcacagcc tgcagacaca actcaaggct cagaacagca ggatccagca actcttccac 540
aaggtggccc agcagcagcg gcacctggag aagcagcacc tgcgaattca gcactgcaa 600

```

```

agccagtttg gcctcctgga ccacaagcac ctagaccatg aggtggccaa gcctgcccga 660
agaaaagaggc tgcccagat ggcccagcca gttgaccggg ctcacaatgt cagccgcctg 720
caccggctgc ccagggtatt ccaggagctg ttccagggtg gggagaggca gagtggacta 780
tttgaatcc agcctcagggt gtctccgcca tttttggtga actgcaagat gacctcagat 840
ggaggctgga cagtaattca gaggcgccac gatggctcag tggacttcaa ccggccctgg 900
gaagcctaca aggcgggggt tggggatccc cagggcgagt tctggctggg tctggagaag 960
gtgcatagca tcacggggga ccgcaacagc cgcctggccg tgcagctgcg ggactgggat 1020
ggcaacgccg agttgctgca gttctccgtg cacctgggtg gcgaggacac ggcctatagc 1080
ctgcagctca ctgcacccgt ggccggccag ctggggcgcca ccaccgtccc acccagcggc 1140
ctctccgtac ctttctccac ttgggaccag gatcacgacc tccgcaggga caagaactgc 1200
gccaagagcc tctctggagg ctggtggttt ggacactgca gccattccaa cctcaacggc 1260
cagtacttcc gctccatccc acagcagcgg cagaagctta agaagggaat cttctggaag 1320
acctggcggg gccgctacta cccgctgcag gccaccacca tgttgatcca gcccatggca 1380
gcagaggcag cctcctagcg tcctggctgg gcctgggtccc agggccacga aagacggtga 1440
ctcttggtc tgcccagga tgtggccgtt ccctgctgg gcaggggctc caaggagggg 1500
ccatctggaa acttggtggac agagaagaag accacgactg gagaagcccc ctttctgagt 1560
gcaggggggc tgcattgctt gcctcctgag atcgaggctg caggatatgc tcagactcta 1620
gagggctgga ccaaggggca tggagcttca ctcttctgct gccaggaggat tggggactca 1680
gagggaccac ttggggccag ccagactggc ctcaatggcg gactcagtca cattgactga 1740
cggggaccag ggcttgtgtg ggtcgagagc gccctcatgg tgctggtgct gttgtgtgta 1800
ggtcccctgg ggacacaagc aggcgccaat ggtatctggg cggagctcac agagttcttg 1860
gaataaaaagc aacctcagaa caaaaaaaaa a 1891

```

<210> 6076

<211> 4323

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (186)...(3371)

<223> similar to gi4200325 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 6076

```

caatctagtt tcaacatata atgaggattt ctgtctgata cagagaaaga taccagtggt 60
ctggagggtc tgtcttaaga agtgctcttg aagtctgctg ggatttcctt tcgggactca 120
cagagggaag cctgctccct gagggctttt tctcaggccc aatagatcag ggtaatcatt 180
accaaatgag gaggaaagga cgatgtcatc gaggctctgc agcgaggcat ctttcttccc 240
catgcagtgt taaacactcc cctacgcgag aaacgctgac ctacgtcaa gctcaaagga 300
tggtagagat agaaattgaa gggcgcttgc acaggatcag tatttttgat cccctggaga 360
tcatattgga agatgacctc actgctcaag agatgagtga gtgcaacagc aacaaggaaa 420
acagcgagcg gcctcctgtc tgcttaagaa ctaagcgtca caaaaacaac agagtcaaaa 480
agaaaaacga ggccctcccc agcgcccacg gcacgcggcg ctcggccagt gccctcccgg 540
agcccaagggt gcgcatcgtg gactacagcc ctccgtccgc cccaggagg cctcctgtgt 600
actacaagtt catcgagaag tcggccgagg aactggacaa cgagggtggag tatgacatgg 660
acgaggagga ctatgcctgg ctggagatcg tcaatgagaa gcgcaagggc gactgcgtcc 720
ccgccgtgtc gcagagcatg tttgagttcc tgatggaccg ctttgagaag gactgcgact 780
gcgagaacca gaagcagggt gagcagcagt ctctgatcga cgaggacgcc gtgtgctgca 840
tctgcatgga cggggagtggt cagaacagca acgtgatcct cttctgcgac atgtgcaacc 900

```

tggccgtgca	ccaggagtgc	tacgggggtgc	cctacatccc	cgagggccag	tggctctgcc	960
cgcccactgc	ctgcagtcgc	gggcccggcc	cgccgactgt	gtgctgtgcc	ccaacaaggg	1020
tggtgcttcc	aaaaagacag	atgacgaccg	ctgggggtcac	gtgggtgtgt	gccctgtggg	1080
atcccagagg	gtcggctttg	ccaacacggt	gttcatcgag	cccatcgatg	gggtgaggaa	1140
catccctcca	gcccgggtgga	aactgacatg	gtaacctctg	taaggagaag	gggcgttggg	1200
tgcttgcac	cagtgcacac	aagcaaaactg	ctacacagca	ttccatgtga	cgtgtgcccc	1260
gaaggctggc	ctgtacatga	aaatggagcc	cgtgaaggaa	ctgactggcg	gtggcaccac	1320
cttctccgtc	agaaagaccg	cttactgtga	tgtccacacg	cctccaggct	gcacccggag	1380
gcctctgaat	atttacgggg	atgtcgaaaat	gaaaaatggc	gtctgtcgaa	aagagagctc	1440
ggttaaaacg	gtcaggtcca	catccaaggt	caggaagaag	gcaaaaaagg	ctaagaaaagc	1500
tctggctgag	ccttgcgcgg	tcttgccgac	cgtgtgcgct	ccttatattc	ccccgcagag	1560
gttaaatagg	attgcgaatc	agggtggccat	tcagcggaaag	aagcagtttg	tggagcgagc	1620
ccacagctac	tgggtgctca	agcggctgtc	caggaacggg	gccccctgc	tgcggcggct	1680
gcagtccagc	ctgcagttct	agcgaagctc	acagcagaga	gaaaatgatg	aggagatgaa	1740
ggctgccaaa	gagaagctga	agtactggca	gcggctgcgg	cacgacctgg	agcgcgctcg	1800
cctgtgatc	gagctgctgc	gcaagcggga	gaagctcaag	cgtgagcagg	tgaagggtgga	1860
gcaggtcgcc	atggagctgc	ggctgacccc	gctgacggtg	ctgctgcgct	cagtgtctgga	1920
ccagctgcaa	gacaaggacc	ccgccaggat	atttgcgag	cccgtgagtc	tgaaggaggt	1980
accagattat	ttggatcaca	ttaaacatcc	catggacttt	gccacaatga	ggaaaacggtt	2040
agaagctcaa	gggtataaaa	acctccatga	gtttgaggag	gattttgatc	tcattataga	2100
taactgcatg	aagtacaatg	ccagggacac	cgtgttctat	agagccgcgg	tgaggctgcg	2160
cgatcagggg	ggtgttggtc	tgaggcaggg	ccggcgcgag	gtggacagca	tcggcttgga	2220
agaggcctcg	gggatgcacc	tgcttgagcg	gcctgtgctg	gcaccgcggc	ggcctttctc	2280
ctgggaagac	gtggacaggt	tgctggaccc	cgccaacaga	gcccacctgg	gcctggagga	2340
gcagctgaga	gagctgctgg	acatgtctga	cctcacctgc	gctatgaagt	ccagcggctc	2400
ccggagcaag	cgggcaaaag	tgctcaaaaa	ggaaattgcc	cttctccgaa	acaagctgag	2460
ccagcagcac	agccagcccc	tgcccacggg	gccaggcttg	gaaggcttcg	aagaggacgg	2520
agctgcgctg	gggcccggag	cgggcgagga	agtccttccg	aggttggaga	ctcttctgca	2580
gccaaaggaaa	aggctgcgga	gcacatgcgg	agactccgag	gtggaggagg	agtccccagg	2640
aaagcgcctg	gacgcaggtc	tcaccaacgg	ctttgggggt	gcgaggagcg	agcaggagcc	2700
gggcggcgcg	ctgggggagg	aggccacacc	ccgacgacgc	tgtgcctccg	agtccagcat	2760
ctcctccagc	aacagcccg	tctgcgactc	gagctttaat	gcgccccaat	gtgggcgggg	2820
caaaaccggct	cttgtgcgac	ggcacacgct	ggaggaccgc	agtgcgctga	tctcctgcat	2880
cgagaatggg	aactacgcca	aggcggccag	gatcgagcc	gaagtcggcc	agagcagcat	2940
gtggatctcc	actgatgccg	ccgcctcggt	gctggagcct	ctgaagggtg	tgtgggcccc	3000
gtgcagcggc	tacccctcct	accgcgcact	gatcatcgac	cccaagatgc	cccgtgtgcc	3060
tggccaccac	aacggcgtca	ccatcccggc	ccccccctg	gacgtgctga	agattgggga	3120
gcacatgcag	accaagtctg	atgagaagct	gttccctcgt	ctcttttttg	ataataagag	3180
aagttggcag	tggcttccta	agtccaaaat	ggttcccctt	ggtattgacg	aaactataga	3240
caagttaaag	atgatggaag	ggaggaattc	cagcatccgg	aaggccgtgc	ggatcgcttt	3300
tgaccgcgcc	atgaaccacc	tgagccgcgt	ccacggggag	ccgaccagcg	acctcagtga	3360
cattgactga	cggcccggcc	gccagcgcg	gtcttgtcca	tagtgttgat	aagctgtaca	3420
tgtttgtata	ttgttcaaaa	cttaacttat	tctgattttt	agttatagct	ctttaattct	3480
ttttccccgg	ggagggggga	ggttttat	ccaagttttc	taggaaccca	tctccgtctg	3540
ggcgctgtga	gtgggttggg	cagtcgggg	cagcccagtg	cgtctgtcgc	acgtccccag	3600
gccgtgctgc	tggcgtcact	ttctttgata	tgtagctttt	tcttaaagac	ttttgaatgt	3660
tttaataattt	tgtaaatcat	gctctttaca	cagagtacca	cttattta	aagacgggat	3720
gtaaaatttac	aatgacaaat	gtgtatttta	agaaagaaaa	tgacattatt	ttgaatggta	3780
ctttgtggaa	agagggggaga	ataaagttat	gctgtgtaca	tcacttgag	atcaccaaaa	3840
acactcccg	tgcccggtgac	cgccgggtgg	tgtgtccccg	ctcccgctcg	cccgccacc	3900
tcaaaccccc	caggtgtgcc	tcccagcgga	ttattttatt	tagaaagtgt	attcattttgc	3960
tttataatga	aaaatacatt	tgcaaaggta	tattgatatg	cattttttata	caggcacata	4020
aaaattcaac	ttggcttggg	agcagaatgc	attgcattgt	ataaatgact	ctggcctgtg	4080
tgtactttga	ttttataact	tgtaatcttt	tgtttacaat	gaggggcttt	ctgtaacttg	4140
ttttaattta	gaacactttg	gtagcaatag	aaacttttga	tacatttttg	tatggtacct	4200
gtgatgtata	tagaattagt	actttatttt	tatttttaag	aggtaaagca	ttatgttggg	4260
gaaagtaggg	tgggtttcca	aattttgcatt	ttttatatta	aaaataaagt	caagatttgg	4320



```

<210> 6077
<211> 1164
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1146)...(373)
<223> similar to gil374879 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 6077
tttttttcca agtgtttcat accttttatt acaaaaatca ataacttaat tcagttctgt      60
ataaagtcga taggacttct ggtccaataa gcagcctaag ctttcattct catcccaaga      120
agggacagga gtcttgcccc agaggctcgt ggggaccacc aaaagccttc ccaggcagct      180
ggagcactgt gtccaaacca aggaagtcca atgtgggggtg tggctgagtg aagagctggt      240
cctaaggagc caagtgtctgt ctatacaggc ttgccccctc caggagcatt gggtcacctc      300
tggggatggc caggctgaat cagcactgcc agcctctgcc cacctgatct ctgcctgggc      360
tggaacaggt cacctgagca aaagcatgtc cccaagaagg ccagcgatgt caacatctcc      420
aatgataggg cgaaagaaga ggtccccaag caggctgggtc ggaatggact tgagggtgga      480
ggccgtgagg aggacacggg tcaggcggcc ttgggctgct gggcaccagg gttccaggac      540
ttcacacagc acccagtgag cctcctgctg caggtgccca atgtgggagg cggcttgagg      600
gcctggcaca tcgggggttg agagaatggg tcctttcagg caggcattat tccttggggc      660
taagctccag gctccagaag gactccagac agcattgaag ccaactgcacc gcagccaggg      720
agggtggggg tctgtctggc agttggccac tgctccact gctgctgggc tcctccagca      780
gaatcttctt gagtatgctg ggcaccgggg cctcagccac ctcaaagggtc acagcatctt      840
gggccaaccc aagcaggaag agggggcccc agcaaccctg cagcagccgc cgctggtcct      900
ggggaggcag ctgccagaag gatggcaggt tcctgaggaa ggccactgtc ttggccagaa      960
catccaaggc ctcccggcag gtgcgatgag gtgcacatag ctggacgggc cgggtgctgcc     1020
tacataggca gcggttacgg ggtcggggga cagccttgag gctggagctc agaagtgcgt     1080
agagaatggc ggggcggctt gcagctccct ggcatgggca ggcccctggt tggctggtgc     1140
tcatggttag ggatctgctc tctc                                           1164

```

```

<210> 6078
<211> 5175
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (5175)...(2789)
<223> similar to gi2997619 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

<400>	6078					
tttttttttt	ttcacttcaa	gtttttat	gcctcttgca	tgggtcttta	cagttcgttt	60
tctacaggaa	ctgagctctg	atccaaacaa	tcaataaaaa	tgtaattcca	accttaatat	120
tcataaccag	gaaatagcat	agcacttcat	gatcctagag	tgatgaaagc	aagaccaggg	180
catctgtttc	acagtcacct	gtgaccagac	cagccaacat	gattactaaa	agccaagata	240
aaaccaaag	caaacttgct	aaaaaatcct	gaattccatg	aggttactc	tgaaatcctc	300
caaacaaat	gctagaattg	tccactagt	ttaagacgag	aaaactgagg	aaaactcagc	360
tgtcttacta	tctggtaaga	gtcttccctt	catctcaagc	cctcaaaaat	gcaaacttgg	420
ttccagcttt	acaacatacc	atatccttct	atcgggttaa	ggtttctaac	ctaaaaacct	480
tctctccttt	cttctcacct	atcttagtgca	tactcaaagg	ctttgggttg	aagtcactag	540
gtaccactag	gtacaatgct	ttagggctct	ctcaaagccc	acaatgggtg	agttctgtga	600
aagaaaactt	aagtttcttt	ctctttaccc	ctctcccctc	actcagctca	aagttaaaca	660
gctgatgcaa	aactacagag	aagcaagata	acaaaatact	gttatcaatc	tatggagaaa	720
tcagccagcc	atgatgaaa	aatgagtcct	gccgactatc	tgccagcttc	atgctcagaa	780
cccttaaaaa	cacagaatct	aaattaaaat	acatgaagct	ttcacaatcc	ggttaaagga	840
aaaaggtaac	tgtaataaac	tggttaaagt	gtgctcattc	gttcagaaat	tagatacaaa	900
catgcaagaa	ttaaagactc	tgatttaata	aaatcagtag	taacaggtct	tgagattaaa	960
caactgacct	gagggcaaat	gggaccaatc	agtccctgaa	ccctacctga	catgtcaaat	1020
ccaacatttc	acatgctgac	ctaataattga	gggttaatttc	cagaagtaac	tgcaactttc	1080
aacagattaa	gtcctacaaa	attaggctct	cgtaccccaa	atgggtcatg	cctacgccta	1140
ggtgggaggc	actttaaaaa	taataaaaact	tcaaaaagaa	caaaaacaac	cccaaaccga	1200
aagacaaaag	taaagaaaaat	ccacttttca	ctgggtttaca	ttattcaaag	tgccattctg	1260
aaccaacacc	ctttcattta	tagaggaaaa	aaattttaca	aaacagtaaa	cacaaaggat	1320
agtcagggtta	cagctagttt	atatacaaa	aaattttaca	gtttgtcaat	tgtaggcttt	1380
tgccacaaac	aatgacacat	ttgtccctac	aaagtacaac	atgcctgaac	caacagtcac	1440
tcaggagac	aattggccac	gggctttaca	aaaagcagga	ataacctgcc	ccaaattgaa	1500
attattttatt	cagcttaaac	taatgccaca	accatcccac	ttggaatcac	tccaccctga	1560
cacttctgaa	accactctt	tctttctttc	atctctgcc	tgccccctaa	gactgagagg	1620
catttctactc	aataaaccaa	ggaagatgac	agatgtttatc	ttgattactc	tcagggtggag	1680
aaacggcaac	ccacactgga	tgcaaaaaat	agtgctggac	tacattttatt	ggaagactct	1740
ctccctgtat	aagcccatgt	aaaagggtctc	agcacctaac	acaagactca	aaaagggaagc	1800
ccacatctct	ctttcataca	ggatttgctg	caatactata	ttctttccca	ccagtgaagta	1860
gtctcaaagt	gtgatgggtg	agtattttaca	tagtcttctt	tgtttcgaat	ccaattggct	1920
gatttggttac	cattctagag	gctgaactgt	atgaagacct	caactaccat	tcacaagggtg	1980
cagttaagag	acttttgagc	agttcacagt	gtccaaacaa	atgtcaacag	gctccgacca	2040
agtataacca	catccttttg	aaatccttcc	atttttgcaa	tttcaaaaaca	tcctaacttg	2100
ctgtaaaatt	ccagaattct	tttatcatct	ggtctcactt	cacagaaagc	tccccgggag	2160
ccattagcct	tcagtgaaga	caggaggcaa	gccatcatgc	ttttggccac	acttgggtca	2220
gttacttttt	tgtgaatgtc	catctttatc	agagaaggga	aattagcaag	gaaagtttct	2280
ggcagtactt	cctgttcttc	atggaaaactc	aacattattt	tctcagcctc	agagagttcc	2340
ttgtcaccat	ttggcttggt	atacttctcc	tgcatgaagg	ggatccagga	aattttacat	2400
tttttaataa	agggggtcac	atctacagt	cccaaggcat	aaccacatat	gccatcttca	2460
tcttctagga	caaagcagta	atccaggctg	agggaaagca	gccctcctac	taacttgtct	2520
ccaataagat	caggctgact	ttgaaagggt	aaacccaactc	catcgtcata	catttctctg	2580
caaatcttgt	acacggatgc	ctcatcctta	ggaaaataag	gtctgatagt	ataaaacttg	2640
gaggtaggag	tcagtggagg	tggtgaaaa	aagagatcat	ttgccccatc	aattggcagc	2700
aaacgctgga	actctcctgc	tagaccacct	ctaaaggccc	agggttcttg	gtctccaatt	2760
aagaattgtg	ctgaagaatg	actacgacac	cctaaccact	gtacaaaaga	cttcaccata	2820
gacattatac	tcttgatatc	ccaaacatag	gagtacatgt	cataaagaat	tgtcctgttg	2880
gcacaattgg	agagccgagt	gaacattccc	atcactagtc	cacacatctc	ttcaaacttg	2940
gctgctcgtg	accgccattc	ttcaattttt	tcagagtctt	ttcctttgca	attgacactg	3000
acaacactac	tatttgctcg	aagccattga	aattcccgtg	acatctgtgc	tcctttgggt	3060
ccatgctcgt	aaggaaggta	gaatagatca	gcaagtaact	gcaaatcctc	cagggtcact	3120
ggttccgcag	tgtacaaagg	cttttcat	ggacctggca	caaactgctc	cttggttctg	3180

tggtcatcag	tttgcattgg	ggcaatgtca	ctaatacaat	cttcttgcac	ggacatctct	3240
ggggattttg	attcagctat	gctctcttta	tcagtgtcca	ttggtttcaa	ttcctctgcc	3300
atcttcgctt	caacaatttc	actcagtatt	tggattgtca	ttcttgtggt	ccgtttcttc	3360
ttgtttttcc	accacatgt	ccatgggttc	ttcatcaggc	tgtttctttt	cttcttcctt	3420
ggtcagagta	gtaggctcac	caactcaagg	tgctccctgg	ctcataatgg	gctcctgata	3480
aactgttgtt	actacgggtg	tggcatttaa	agaggggtgt	gcaactaaag	gagtcccatc	3540
aactacactt	gcttttagct	caactgtgtc	aacttgccta	ctgctgtatt	gatgaggcac	3600
accaaactct	tgcaaccatt	ctgttaatgc	tagctttaga	gccatctgtg	gactatagag	3660
tacatcagtt	tcaatatctt	catcactgcc	ttcattttct	aattttatct	ggatggacac	3720
agtactatct	tactgtcag	tcatcactac	atcttttctc	actccattca	tgtttgattt	3780
gtaccagggt	gcaagggtgt	ggatagcaac	gtagttggct	tcaaattcac	aatttggatt	3840
agtgaggact	ccttttaacc	gtgggatgag	ttctgtggat	cttcctttgt	acgggccccg	3900
aaacagctct	ttctgatcat	aatcatttag	atgaatgtta	tcccagatta	ctggagctct	3960
cttaataatc	ttagaaacct	cttcgatgga	ctctactgga	atttctttag	aaacaacttt	4020
gggacctgtc	caaagcactt	caattccagg	tagaagcttt	tcaccacacg	tccttaaata	4080
tggagactga	gacacatttg	gataacagaa	agtgccacag	tattctgtgg	gacagaagag	4140
gaaagtctct	ggctctccta	ggtactgata	gatttcattt	gtgatggaga	cttggggcatg	4200
agcaaaaaga	ctgaatacct	ctttgtctgc	tgcacacata	ttatgggtcta	tatcatcaaa	4260
aagcaaagca	aatgatctgc	acccaaactg	agaaacctgg	tccaatttac	gtttcaatgt	4320
ggatacttcc	ttgggggttag	aaaaagtgat	atccaatcca	ggtgagatcg	catagatgaa	4380
ctctatctca	tattctcgtg	cagcagagat	gagagtcata	agttgctcag	cttcctccac	4440
tgaataacat	tctcgccaaa	acatcctatg	tttgtagtca	tcttttgggg	catacaagta	4500
tgtatttaaat	tcccatttct	ggagccttct	aaagagtctt	tttctctgtt	ccataaccca	4560
aggtcttcca	taaaatcctt	ccaccacacc	gcagagggaac	cgccgagccc	ctcctgcagc	4620
cccggccacc	gccgctccct	cagccccggc	gggttgtctt	tctccagggtg	ccggagctgc	4680
cggcggtctc	agcgatgccc	ccgcagaggc	ggcagggttg	gagctgagct	cgctctcccg	4740
ctcctccaac	gtcgcttgac	tctccttctg	caccatcctc	ctgcccccg	ccgctgccac	4800
ctctgcgggt	cctcctcgac	ctctgtccgt	tggggcaccg	gcccggagcc	ctggagaggg	4860
cttcagctcc	aagtgtgcgc	cctccgggt	ccttcccttc	cccctctgcc	cttccccctc	4920
cctctccgca	gggacccgaa	tgcccggatg	agaaggcgcg	cggcaccggc	gcgagccctt	4980
tgtcagcgcg	agcctcggtt	ttaagctggg	gcgcccagaag	gcctaagcga	gagcgaggct	5040
gtgacctctc	gttccctgga	agaagacggc	caagggtcct	gtcctcggtt	tctgcctctg	5100
ctgccctccc	gataatctta	ggtcttccgc	tgtttccctt	ccaagccccg	agctctccct	5160
ctgctgctgc	ctcca					5175

<210> 6079  
 <211> 6584  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(6585)  
 <223> n = a,t,c or g

<220>  
 <221> misc\_feature  
 <222> (272)...(5450)  
 <223> similar to gil663706 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400>	6079					
cagtgaagga	tgaagaatga	ttagactcta	aggattatgt	gtaataatcc	gggagacata	60
gatgtgccat	ctcatgaatt	aaattgttca	cttctttcag	agacttgtgt	tactatttga	120
gaaaagaaaa	atgaagcttt	gatggaatgt	aaagccaagc	ctgttggtag	tccaattgtt	180
taagttttca	gataaagaag	aacatgaaca	aaatgattcc	atttcaggta	aaacgggtga	240
gactggtgtt	gaagaaatga	tagcaacaag	aaaagttgaa	caagattcaa	aggagacagt	300
aaaattatcc	catgaagatg	accatattct	tgaggacgct	ggatcttctg	atattttctag	360
tgatgctgct	tgtacaaatc	caaataagac	agaaaacagc	cttgtagggt	tgcctagttg	420
tgtagatgaa	gtgactgaat	gtaattttga	attgaaggat	accatgggta	ttgctgataa	480
aactgagaac	acccttgaaa	gaaataaaat	tgaaccgttg	ggttattgtg	aagatgcgga	540
gtctaataag	cagttggaga	gcactgagtt	taataaatca	aacttagagg	tggttgatac	600
tagtactttt	ggaccggaaa	gtaatatctt	ggaaaatgct	atttgtgatg	tgcttgacca	660
aaattcaaaa	cagttgaatg	ctatagaaaag	tactaaaata	gagtcctcatg	aaacagcaaa	720
ccttcaggat	gacagaaaac	gccagtcaag	tagcgtttct	tacttagagt	caaaaagtgt	780
aaaatccaaa	catacaaaac	ctgtaattca	ttctaagcaa	aacatgacca	cagatgctcc	840
gaagaaaatt	gttgacgcaa	agtatgaagt	aatacatagc	aaaactaaag	ttaatgtcaa	900
aagtgtgaaa	cgaataactg	atgtaccaga	atctcagcaa	aattttcata	ggccagtcaa	960
agtcagaaaa	aaacaaattg	ataaggagcc	aaagattcag	agttgcaatt	ctgggggttaa	1020
atctgtgaaa	aaccaagctc	attctgtact	gaaaaaaaca	ttacaggatc	aaactttagt	1080
acaaattttt	aagcccttaa	ctcattcttt	gagtgtataag	tcacacgctc	atcctgggtg	1140
cttgaaaagaa	cctcatcatc	ctgcacaaac	tggacatgta	tcacattcta	gccagaaaca	1200
gtgtcataag	cctcagcaac	aggccccagc	aatgaaaacc	aatagtcacg	tgaaggaaga	1260
gcttgaacac	ccaggcggtg	agcatttttaa	ggaagaggat	aaactgaaac	tgaaaaaacc	1320
tgagaagaac	ctacaacccc	gccaaagaag	aagcagcaaa	agtttttctt	tagatgagcc	1380
accattgttc	attccagata	acatagctac	cataagaaga	gaaggctctg	atcatagctc	1440
ctcatttgaa	agcaaataata	tgtggactcc	cagcaagcag	tgtgggtttt	gcaaaaaaacc	1500
acatggcaac	aggtttatgg	ttggctgtgg	gagatgtgat	gactggtttc	atggtgattg	1560
tgttgggtta	agtctttctc	aagcacagca	gatgggagag	gaagacaaag	aatatgtctg	1620
tgtaaaatgt	tgtgctgaag	aagacaaaaa	gactgaaata	ctagatccag	atacttttga	1680
aaaccaagct	acagttgaat	tccatagtgg	agataaaaaca	atggagtgtg	aaaagcttgg	1740
attatcaaaa	cacacaacaa	atgatagaac	caaataataa	gatgatacac	tgaagcacaa	1800
ggtcaaaaatt	ttaaaacggg	agtctggtga	aggcagaaat	tcatcagact	gtagagataa	1860
tgaattataa	aaatggcagc	tagctcctct	tcgtaagatg	ggacaaccag	ttttacctcg	1920
gagatcctca	gaagaaaaaa	gtgaaaaaat	accgaaagag	tctacaactg	ttacttgcac	1980
aggagaaaaa	gcttcaaaac	caggacttca	tgagaagcaa	gagatgaaaa	agaagaaagt	2040
tgcaaaaagg	agtgtctaat	gtacatcctg	ctgcttctgc	ttccaagcct	tctgcagatc	2100
agatcaggca	aagtgtcaga	cattctctca	aagacattct	tatgaagaga	cttacagact	2160
caaatttgaa	ggtaccagag	gaaaaggcag	caaaagttgc	cacaaaaatt	gagaaagagc	2220
ttttctcttt	ttttcgggac	acagatgcta	aatataagaa	caaataataga	agtttgatgt	2280
ttaatttgaa	agatcctaaa	aacaatatat	tatttataaaa	agtactgaaa	ggagaagtaa	2340
ctcctgatca	tcttatcaga	atgagtccag	aagaactagc	ttctaaagag	ttagctgctt	2400
ggagacgaag	agaaaacaga	cataccatag	aatgattga	gaaagagcag	agagaagtgg	2460
aacgacggcc	aatcaccaaa	ataactcata	aaggtgaaat	agaaattgag	agtgatgccc	2520
caatgaaaga	acaggaagca	gccatggaga	ttcaggaacc	agccgccaat	aagtcattgg	2580
agaagccaga	aggatctgaa	aaatcgaaaa	gaggagggtg	actctatgtc	taaagatacc	2640
actagtcaac	acagacagca	tctttttgat	ctcaactgca	aaatctgcat	aggtcgaatg	2700
gcaccacctg	tagatgatct	ttctccaaaa	aaagtaaaag	ttgttgtagg	agtagctcgc	2760
aaacattcag	acaatgaagc	agaaagtata	gcagatgcat	tatcttcaac	ctcaaatatt	2820
ttggcttctg	aattctttga	ggaggagaaa	caggagtctc	caaagtcaac	gttctctcct	2880
gctccacgtc	cagagatgcc	tggaactgtt	gaagttgagt	ctacctttct	ggctcgattg	2940
aacttcatct	ggaaagggtt	tatcaacatg	ccttctgtgg	caaaatttgt	taccaaaagc	3000
tatccagtat	ctggctcccc	agaatacctg	acagaggacc	taccagatag	tattcaagta	3060
ggtggcagga	tatcacctca	gacagtttgg	gattatgtgg	aaaaataaaa	agcatcagga	3120
accaaggaaa	tttgtgtggt	tcgcttcaca	ccagtaactg	aagaagatca	aatttcttat	3180
actttgctct	ttgcatactt	cagtagcaga	aagcgctatg	gagtagctgc	taacaacatg	3240
aagcagggtta	aagatatgta	ccttattcct	ttgggtgcca	cagataaaat	tccacaccct	3300

cttgtgcctt	ttgatggacc	tgggcttgaa	ctgcatagac	ctaattctatt	gttggggctta	3360
attatttcgtc	agaaactgaa	gcgacagcac	agtgccctgtg	ctagtactag	tcatatagct	3420
gagactcctg	aaagtgcacc	accaatagca	ttgccacctg	ataaaaaaag	taaaatagaa	3480
gtttctacag	aagaagcacc	agaggaagaa	aatgactttt	ttaattcttt	tacaactgta	3540
ttacacaagc	agagaaataa	acctcagcag	aatcttcagg	aagaccttcc	aacagcagtt	3600
gaacctttta	tgggaagtcac	caaacaggag	ccaccaaaaac	ctttaagatt	tcttcctggc	3660
gtgttgattg	gctggggagaa	tcaacctact	actctggaat	tagcaaataa	acctcttcct	3720
gtggatgata	tacttcaaag	ccttttgggc	accactggtc	aagtatatga	ccagggccca	3780
gtcagtgatg	gaacaaaaca	ctgttaaaga	aattccattt	ttaaattgagc	agaccaactc	3840
aaaaatagag	aaaacagata	atgtggaagt	aactgatggt	gaaaacaagg	agataaaagt	3900
taaagtagat	aataatttcag	aatctacaga	taagtcagca	gaaatagaaa	catcagtagt	3960
agggtcctct	tccatttctg	cagggctctt	gacgagtctt	agtctcagag	gtaagccacc	4020
agatgtttct	acagaagcat	ttttaacaaa	tttatcaatt	cagtcaaaac	aagaggaaac	4080
tgtggagagt	aaagagaaaa	cattaaaaag	acagcttcag	gaagatcaag	agaataattt	4140
gcaagataac	cagacttcaa	atagttctcc	atgcagatct	aatgtaggaa	aaggaaacat	4200
agatggtaat	gtgagctgta	gtgaaaacct	tgttgcta	acagcgaggt	ctccacagtt	4260
tatcaacctg	aaaagggatc	ctaggcaagc	agcaggacga	agtcagcctg	taactacttc	4320
agaaagcaaa	gatggagata	gttgccggaa	tggagaaaaa	cacatgctgc	ctggcctgtc	4380
acacaacaag	gagcacttaa	cagaacaaat	caatgtagag	gaaaagttgt	gttctgcaga	4440
gaaaaactcg	tgtgttcagc	agagtgacaa	tttaaaagtt	gcacaaaact	caccatcagt	4500
agaaaacata	cagacttctc	aagcagaaca	agcaaaaccc	ttacaggagg	atattttaat	4560
gcaaaatatt	gaaactgtgc	acccatttctg	aagaggatca	gcagtagcga	catctcattt	4620
tgaagttgga	aacacatgtc	catcagaatt	tccttctaaa	agcatcacct	ttacttccag	4680
aagcaccagc	cccagaacaa	gtacaaaactt	ttcacccatg	aggccacagc	agcccaacct	4740
tcagcatctc	aagtctagcc	cacctggatt	tccatttcca	gggcctccta	attttccccc	4800
acaaagcatg	tttggaattc	caccacattt	gccacctcca	ttacttcccc	ctccaggctt	4860
tgggctttgc	ttcaaaatcc	catggttccc	tggccacctg	ttgtttcatc	tcccaaggtc	4920
agccacagcg	tatgatgggt	cctctctcac	aagcatcaag	gtatataggc	ccgcagaatt	4980
tttaccagggt	taaagacatt	cggaggccag	aaaggcgcca	tagtgaccct	tggggtaggc	5040
aagaccaaca	gcaactggat	aggccattta	ataggggtaa	aggggaccgc	cagagatttt	5100
atagtgattc	acaccatttg	aaaagagagc	gacatgaaaa	ggaatgggag	caagaatctg	5160
aaaggcatag	acgcagagac	agaagccaag	acaaggacag	agacagaaaa	agcaggggag	5220
aagggcacaa	agataaagag	agggcacggt	tatcacatgg	tgatcgagga	acagatggaa	5280
aagcaagcag	agatagtagg	aatgtagaca	agaagccaga	taaacctaaa	agtgaagact	5340
atgagaagga	caaagaacga	gagaaaagta	aacacagaga	aggagaaaag	gacagggata	5400
ggtaccacaa	agatagggac	cacactgaca	gaactaaaag	caaaaggtaa	aatttgcagg	5460
ctgcttcagg	attacattta	aataactgtt	aaaatgttgt	atcttgtaaa	caaaagaaag	5520
attgcctgct	aggattgtgc	catctttaaa	atttttacta	ttgggtcattt	gcagaacagt	5580
aaattctgtg	tgttggtaca	gagtgtctctg	taccagtgtc	catcatccct	tcttcatacc	5640
aacggtccct	agttatagga	atttaatat	tttaaaagtt	ttacattgct	gtatatcaa	5700
agatttgttt	tattaatatg	caataaaggc	ttagaaaattt	tagttttatt	ccttaattgg	5760
taaatatgggt	taactatgga	atataattac	ttcctctagt	gaatgtcctt	tatataatga	5820
ctaatttggg	agtaatgtgt	gctctgtaag	tttgttttaa	attgcactgt	ttttaagaa	5880
actgtagagg	agcaacaaaa	atccaagcaa	cttcataatc	agattatgct	aatcatttag	5940
ttgagcagtt	tttgaccaag	aatcagaagc	ccaaggggta	catttattgc	tttaatctgc	6000
actcattgaa	gtcattttatt	accatatact	acagctttgt	ggtaggccat	tattttcatt	6060
ttcattttttg	gctcttcaga	aacttgaata	cttaagcttg	tacatgatct	tgtgttttgc	6120
tatcctttttt	actgtaaaa	gtaaatat	taagggatat	tttgattcta	aatatgataa	6180
aataatttct	cacctatttt	gtgtgtgtga	cttgaaattc	agtagtaaaa	gaatttcttc	6240
tttaaagctt	taattacctt	cagacattga	ttttttgtta	ctcagccaag	aacatataga	6300
aatagctatc	tatgtcaggc	attagatgag	gggaaaaaca	atttttttaa	aatcttaaat	6360
tgtaggctga	gatgaattgt	gtagttctaa	agaggctaga	atttagaact	acctgtgaaa	6420
cactgtgcag	ctatagccca	ctttataggt	aagtttctgg	aaaactttta	caccatcgca	6480
atttgggtac	tctgacttca	cttaatcatt	taaaatttaa	aggaccgcga	ggaactttga	6540
gggggaanta	tgttttttga	atccntttta	ttaaaatgtg	ccgg		6584

<210> 6080  
 <211> 6421  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <221> misc\_feature  
 <222> (36)...(5664)  
 <223> similar to gill136430 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 6080

acaacttgag	accattatcc	tttgcattgt	ttttaggaga	cccaaacatg	gcaaacctgg	60
aagaaagctt	cccccgagga	ggtacaagaa	agatccacaa	accagagaaa	gctttccagc	120
agtcagttga	acaagacaac	ttatttgata	tttctactga	agagggatcc	acaaaaagaa	180
aaaagagcca	gaaggggcca	gcaaaaacaa	aaaagttgaa	aatcgaaaag	agagaaagca	240
gcaagtccgc	aagagagaa	tttgaaatcc	ttagtgttga	gtccctgtgt	gagggaatgc	300
gtattttggg	ttgcgtgaaa	gaggtgaatg	aactggaaact	ggtgattagt	ctccccaatg	360
gcctccaggg	ctttgtgcaa	gtcactgaaa	tctgtgatgc	ctacacccaaa	aagctgaatg	420
agcaggtgac	acaagaacaa	cctctgaagg	acctacttca	cttgccctgaa	cttttctcac	480
ctggaatgct	ggtaagatgt	gtggtgagca	gtctgggcat	cacagacagg	ggcaagaaga	540
gtgtcaagct	gtctctgaac	cccaaaaatg	tcaacagagt	gctgagtgtc	gaggccctga	600
agcctggcat	gctacttaca	ggtaccgtat	ccagcctgga	agaccatggc	tacctagtgg	660
acattgggtg	tgatgggacc	agagcttttc	tgccactgct	gaaagcccag	gagtacatca	720
gacagaagaa	caaaggtgct	aaactaaagg	tgggtcagta	cctgaactgc	attgttgaaa	780
aggtgaaagg	caacggagga	gttggttagt	tgtctgttgg	tcactcagag	gtttctacgg	840
ccattgctac	tgaacagcag	agctggaacc	ttaataactt	gctaccagga	ctggtggtca	900
aagctcaggt	acagaagggtg	actccatttg	gccttacgct	aaacttcctc	acattcttca	960
cgggcgtggt	tgactttatg	cacctggatc	ccaagaaaagc	tggaacatat	ttctcaaatc	1020
aggcagtga	ggcctgcac	ctttgcgtcc	atcctcgaac	cagagtgtgtg	cacctgagcc	1080
tgcgcccac	cttcctacag	cctggacgcc	cactcacccg	actctcttgc	cagaaccttg	1140
gagcagtgt	ggatgatgtt	cctgtccagg	gttttttcaa	aaaggctggg	gccaccttta	1200
ggctgaagga	tgggggtctg	gcctatgccc	ggctcagcca	tctctctgat	tctaagaacg	1260
tcttcaatcc	tgaggccctc	aagccaggga	acactcacaa	gtgtagaatt	attgactaca	1320
gccaaatgga	tgaactggcc	ttgctctctc	tacgaacgtc	tattattgaa	gctcagtacc	1380
ttagatatca	tgacatcgaa	cctggggcag	tggtaaaggg	cacagtgtcta	accataaagt	1440
catatgggat	gctggtgaag	gtgggcgagc	agatgagggg	cctggtacct	cccatgcacc	1500
tggctgacat	cctgatgaag	aatccggaga	agaagtacca	catcggggat	gaggtcaagt	1560
gccgggtttt	gctttgtgac	cctgaagcca	agaagctgat	gatgaccctg	aaaaaaaccc	1620
tgattgagtc	caaactacct	gtcattacct	gctatgccga	tgccaagcct	ggtctgcaga	1680
cacatggctt	catcatcagg	gtcaaggact	atggctgcat	tgtgaagttc	tacaacaatg	1740
tgcagggact	ggtgcccaag	catgagctca	gtactgagta	tatccctgac	ccggagagag	1800
ttttttacac	tggccagggtg	gtgaagggtg	tcgtattgaa	ctgtgagcca	tccaaagaga	1860
ggatgctctt	atccttcaag	ctgtcgagtg	atccagagcc	aaagaaagag	cctgcaggac	1920
acagtcagaa	gaaaggaaaa	gccattaaca	ttgggcagtt	ggtagatgtg	aagggttttag	1980
agaagaccaa	agatgggctg	gaggtggctg	tcctgcccc	caacatccgt	gctttcctcc	2040
ccacatctca	tctgtcggac	caggttgcca	acggcccatt	gttacatcat	tggctccagg	2100
caggtgacat	ccttcaccga	gtcctgtgtc	tgagccagag	cgaggggcgt	gttcttcttt	2160
gcaggaagcc	agccttggtc	tccacagtag	aaggtggcca	ggatcccaag	aacttctcag	2220
aaatccatcc	tggaatgtctg	ctcattgggt	ttgtgaagag	catcaaggac	tatggcgtgt	2280
tcatccagct	cccctcaggt	cttagcggac	tggcccaaaa	agctatcatg	agtgacaaat	2340

ttgtgacctc	cacaagtgac	cactttgttg	agggccagac	agtagcggca	aaggtgacca	2400
atgtggatga	ggagaagcag	cggatgctgc	tgtcactgcg	gctgtcggac	tgtggtctgg	2460
gggacttggc	tatcaccagc	ctcctcctcc	tgaatcagtg	cctggaggag	ctgcagggcg	2520
tgcgcagcct	tatgagcaac	cgagactctg	tgttgatcca	gacgctggcc	gagatgaccc	2580
caggaatggt	ccttgaccta	gtggtgcagg	aggtgttgga	agatggctct	gtggtattca	2640
gtgggggtcc	agtgcccgac	ctggctctga	aagccagcag	ataccatcgc	gcagggcagg	2700
aggtggaatc	tgggcagaaa	aagaaggttg	ttatcttaaa	tgttgatctt	ttgaagttgg	2760
aagtgcacgt	ttcccttcac	cagggacttg	gtggaataga	aaagctagaa	agctgaggaa	2820
aggcagcgaa	caccaggcga	ttgtgcagca	cttggaagaag	tcctttgcca	ttgcctcctt	2880
ggtagagacg	ggccacctgg	cagctttctc	cctgacctct	cacctcaacg	acaccttcgg	2940
ctttgactca	gagaaattgc	aggtgggaca	gggtgtctcc	ctaaccctca	agaccacaga	3000
accaggagtg	actggccttc	ttttggctgt	ggaggggccc	gctgccaaga	ggaccatgag	3060
gccgacccag	aaggactctg	agacagttga	tgaggatgaa	gaagtggatc	cagctctgac	3120
tgtagggacc	ataaagaagc	acacctcttc	catcggggac	atggtcacag	ggactgtcaa	3180
gtccattaag	cctacccatg	tggttgtgac	tctggaagat	ggcattattg	gctgtatcca	3240
tgcctccac	attctagatg	atgttccaga	gggcacctct	cctactacca	agctgaaggt	3300
tgggaagacg	gtcactgccc	gagtgattgg	cgggcgagac	atgaagacat	tcaagtatct	3360
cccaataagt	caccccagat	tcgttcgaac	catcccggag	ctgagtgttc	ggccaagtga	3420
gctggaggat	ggccacactg	ctcttaacac	tactctgttt	agccccatgg	agaagattaa	3480
acagtaccag	gccggccaga	ctgttacttg	cttcttaaag	aaatacaatg	tggatgaagaa	3540
atggcttgag	gtggagattg	ccccagacat	ccgggggaga	attcccttat	tgctcacttc	3600
tctgagcttc	aaggttctga	agcatccaga	taagaagttc	cgggttggcc	aggccctgag	3660
ggccaccggt	gttggcccag	attcctccaa	gaccttctta	tgtctgtccc	tcacaggtcc	3720
tcacaagctt	gaggaagggg	aagtggccat	gggcccagtg	gtgaaggtga	ctcccaacga	3780
ggggctgacc	gtctccttcc	cctttgggaa	gataggaaca	gtcagtatat	ttcacatgag	3840
tgactcctac	tccgagacgc	ccctggaaga	cttcgtcccc	cagaaggttg	tcagatgtta	3900
catcctgtcc	actgcagaca	acgtattgac	tttgtcgtcg	cgatcatcca	gaacaaaccc	3960
ggagacgaaa	agcaaagtag	aagatccaga	gattaactcc	atccaggaca	ttaaggaagg	4020
cagccttctg	aggggctatg	tagggctccat	ccagccacac	ggtgtgttct	ttcgcttg	4080
ccctccggt	gtgggtttgg	ctcgttactc	ccatgtctct	cagcacagcc	cgtccaagaa	4140
agccctttat	aacaaacacc	tcctgaagg	gaagctgtct	acagccaggg	tcctacgcct	4200
taaccaccag	aagaacctgg	tagagctgtc	tttctcccc	ggagacactg	ggaagccaga	4260
cgtgctttct	gcttccttgg	aagggaact	tacaaagcaa	gaggagagga	aaacagaggc	4320
tgaggagaga	gacaaaaaag	gggaaaagaa	aatcagaaa	aggaacgaga	agaagaacca	4380
gaaggggcag	gaggaggtgg	agatgccag	caaggagaag	caacagcccc	agaagccaca	4440
ggcgcagaag	cggggcgggc	gggagtgccg	ggagtctggg	agtgagcagg	aaagagtgag	4500
caagaagcca	aagaaagccg	gcctgtcaga	ggaggacgac	agccttgtgg	acgtgtacta	4560
tcgggagggg	aaagaggagg	cagaagagac	gaatgtgctg	cccaaggaga	agcaaaccac	4620
gccagcagaa	gcgccccggc	tgcagctgtc	ttcaggcttc	gcttggaatg	tgggactaga	4680
ctctctgacc	cggccttgc	cacctctagc	agagagctca	gacagcgagg	aggatgagaa	4740
gccacaccaa	gccacgataa	agaaaagcaa	gaaagaaagg	gagttggaga	agcagaaggc	4800
agagaaggaa	ctgtcccgcg	ctgaggaggc	gctgatggat	cctgggcggc	agccagagtc	4860
cgcgatgat	tttgaccgac	tgggtgctgag	ctcccccaac	agctccattc	tgtggctgca	4920
gtacatggct	ttccacctgc	aggccacgga	gatcgagaag	gcccgtgccg	tggctgagag	4980
ggcccttaag	accatctcct	tcagagagga	gcaggagaag	ctgaacgtgt	gggtggctct	5040
gctgaacctg	gagaacatgt	acggctctca	ggagtccctg	accaaggtct	ttgagcgagc	5100
cgtgcagtac	aacgagcctc	tcaaagtctt	tctccacctg	gctgacatct	acgccaagtc	5160
agagaaattc	caggaagctg	gtgaactcta	caaccggatg	ctgaagcggt	tccggcagga	5220
gaaagctgtg	tggatcaaat	acggcgcttc	cttctcgcg	aggagccagg	ctgcagccag	5280
tcaccgcgtg	ctgcagcgag	ccctggagtg	cctgcctagc	aaggagcatg	tggatgcat	5340
tgccaagtgt	gcccagcttg	agtttcagct	gggggatgca	gagcgggcca	aagccatttt	5400
tgagaacacg	ctgagcacct	acccaaagcg	cacagatgtc	tggtcggtct	atatcgacat	5460
gaccatcaag	cacggcagcc	agaaggacgt	ccgggacatc	tttgagcggg	tcattcatct	5520
gagcttggcc	cccaagagaa	tgaagtctct	cttcaagcgc	tacctggact	acgagaagca	5580
gcatggcact	gagaaggatg	tgcaggcagt	caaggccaag	gccctggagt	atgtggaggc	5640
caagagctca	gtgctagagg	actagtggca	ggctggctct	gtgggacact	gtcaacaatg	5700
ggccagcccc	gccccgcctc	gagtgcctgg	gcactcgga	aactgttacc	tcaggactct	5760

```

atttaaattgc tgcttttttct gcagcacgct tggggaaatc ctgtcaggat gaaaaggaag 5820
ttgagattttt ttaaattccct cttcgcttgc tttatttttca gtaccaactt gttatctttt 5880
tccttatctg aggctacctg gggattgtgg gcagcaggcc cctggactcc cagaaatgct 5940
gaggggtccct cttccagggg agttccctgg ggagcaagag tagaggggct attcccagg 6000
gtcctgtggt cagggtcctg ctttgtccct ggcaggctgt cagtccagct ggaggggggtc 6060
agtaggctcc agggagtggg ccctccctc cgatcttggg gtctctgggt gttccttcag 6120
cctcagcctc actggtacct ctctgccctt taggggaggc tatgaagtct tggaaaggag 6180
gacaaaatca gagcccagag ggggaaatgg agaaacctgg gctgctgagg aaagccacgg 6240
gtgttggcgt gaactgatga tgtctcatcc cacgccact atggccacat tacctaacct 6300
ctccatatct gggctattca aggtcttggg ggccagcaca gaccagcta gttgttgaag 6360
ccagttcttt tttgtcttgg tcatgagggg attaaacggt ttctctggca gaaaaaaaaa 6420
a 6421

```

```

<210> 6081
<211> 1114
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (914)...(248)
<223> similar to gil669621 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 6081
tttttttttt ttgaggctga aattgaagct ttttattttg gatatacata ccactattac 60
tgttttaag acatttttat gtagtgatac tttgtattat ggactctata aagttctata 120
ctgtaatcaa gacatttata taaagtgaca ctttgggatt atttggcctc ataagctaga 180
tgccagtga attggcatac acatcaatag acatgtttac acttccagtg ttagggtttt 240
tgtttattcc agttgtactt ctttggcag acggctatta tgttttactt tagtgccgta 300
ttgtggatgc cagagaactt gcatttgcca gggaataatc tcctgagatg ctatattatg 360
aagtagaatg gtgtagtcta attcaataaa gtcatcattt ctttgcactt gcttgacagt 420
ttgaattttt accattttat accatgtgtc ttcagtagaa ttttgccata ttatataacc 480
acaggcaacc caggctaaat gtagaacgag cgtcatttct ggagatacat ttccaaaatt 540
gtctgcgaat attttgtgct tctagcgggt ctttcatgga cttaagtctt tgataaaatg 600
tgttgtcttc ttcactctgga ttctttccag tttctccttc aaatgtgaag ttgacttctg 660
gtgcagtttc ttgtcccgtt gaagggtaaa gtacttcagc tgtgcagttc accttaactt 720
gtttttgtat aatttcttca acagcaaatt taaggcgata cttatgtcct cttcctggaa 780
tatcctccat gctggcttgt ttgaccttct gcacctcaa caccctgtgc ggggtccct 840
gctggtagtt gatgtagttc tgtgccacca aggcgcctt ggaggctggg tagttgggtcg 900
gcgggatttc cattccggat gagcagtgac ttcagggtt gggtactct ggcttaacgg 960
gaccagtagc agagcgccgc ccgtcctgct tgctgctggg tccggttgcc gaggcggaaa 1020
agtcgcaagc tccttcagtc tgtcttcttc ctcagctcct tccgactccg gaagctgctg 1080
tttgggcca ggctccctgc atccgagagc cctg 1114

```

<210> 6082



<211> 3364  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <221> misc feature  
 <222> (3215)...(639)  
 <223> similar to gi30508 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 6082

gaattccac	cacatgaaca	cttaattaac	tggagataat	gttaaagcaa	ggtctctaca	60
attttccatt	aggttgtgct	tcaaatagtc	tataataagg	acttgaatta	attacatttt	120
attgcactat	aaattggctg	ttgtcattat	acccaaatgt	aacaaataag	gcagacttta	180
atctctctgt	agacctcctt	ggatagaaga	taagtaattt	aaaaatatgt	aaaaattgaa	240
aaatttgtgt	acttgtttat	agtgtctctc	tgtaaatgtg	catttgacca	aagagattcc	300
atccaaataa	tgagagaaaa	acccccccaa	atagcatctt	ctgctttaaa	aaattcttgg	360
tttgtaattt	ttttttaaaa	gtcataaagc	cactggcttt	cagagactta	ttagaacaca	420
ctcatctctt	catggcatgc	ttctggctaa	gtgtcctaaa	tttggggctc	caaattaatc	480
caaaaattcc	agcccatctt	cttcttgtcg	gttcaactgca	acaacctaca	gacccagcca	540
ccgatcctct	tccttcatag	ttatatgtca	ggacatagtc	ttgggcatgc	ttgtgatttt	600
catcttgatt	acacagatac	actttctttc	attgtttaat	ttttaatcag	agtgtgtcct	660
ctaattggatt	cttcaccaag	acggggctga	gtaaaactgt	gccactccga	gtaagtgtat	720
ctgcagttgt	ccacctccgt	gtgtcctccc	ctgcaggagt	ccagggtgtg	atggtggcca	780
gccccccggc	aggattccga	ggtctggtgt	cctcctttca	ccatttcgat	ggtctcctga	840
cctccgtttt	tgattcctga	tcccacgggtg	ccacaaactc	cctgagcaga	agcgccca	900
gtttgggttg	tgaagccatt	cgcagaatac	actttgtcat	ctccaggagc	ttctgtgttt	960
gatacaatta	ggttctgtcg	ggctaaatca	tcaggaatta	cttttggttg	tttagacgtc	1020
ccagaagccc	cacagaccag	cgtaaacagg	atgcaaaaga	acaatgctat	gcccacaat	1080
attgcaagga	tggcccactt	tccaagttgt	actcctccac	cgccaatcct	tggatctaca	1140
cgatgtgtgc	agtcattttc	ggtaatgcag	tcacacagtg	taacatccaa	tgaagtgaca	1200
ctagacatgc	caagtctatc	tctcactggt	ataggtacta	catatgagcc	aaatggagga	1260
tcattctgat	aggaaagacg	tgctgctgta	tcattaattg	ctttcagttc	ccacattctc	1320
tgtacttctg	aagtagaact	ctccagacta	aagtcaaagg	gtgggccatg	gataggctca	1380
tcaggatcaa	ccgcaacaat	ctccgcagat	gacatggtgg	gtttgcagat	gatcactgtc	1440
tttttaggta	tgaatgggct	gttatcattc	acgtcttgaa	gtataatgcc	cagtgtcccc	1500
gtacatgttc	tccctccttg	gtctgatgca	aggactgtaa	tattatatat	gccatttttg	1560
atggtctctg	cctctctatc	caggcttctg	aaaactttga	ttgatcctgt	attttcatca	1620
atggtgaccc	accctgttgg	atcagttaat	ttcttatacc	ttatgccact	gctacttctt	1680
gtttctgggt	catatgcttt	atatccattg	cttgttggtc	ccacttctgc	attttctttc	1740
atgcgaacag	tctgtattgg	agggttacac	tcagggccct	catcctgatc	ttctacatta	1800
acagtaactg	ttgctgtgct	catggctgat	cttgactag	cctctctgga	aaatggagct	1860
tcattaacta	caccaatttg	caagatcatc	tgttgctttt	cttcataatt	caaaggctta	1920
actacacaaa	gaactccttc	attggttttg	gcactctgta	caattttaaa	attgccattt	1980
tcattgccct	ttaaaatggg	ataattagct	ctccagttag	cagtattcac	taagtcctta	2040
tcctcaacag	taactcgtaa	gatttccaca	tcaactgtat	tttcttccac	tgatgtcaca	2100
taagaagtac	gagtaaatgt	tggcaagtgg	tcatttcatc	catcaatggt	aatgatataa	2160
gttgaagtgt	tctgtagacc	aaaatactga	ccatccatgt	cttgactttt	tattttcaac	2220
tggtagttgt	caattaactc	tctgtctagc	tgagatgatg	ttgtggtgat	cacgcctgta	2280
gttggatgca	tagaaaatag	gggtgggtgat	gggtggcacct	gcccattgat	ggagtacttc	2340
aggcgtgtgt	gcacgtgtgc	aggctcatct	ttgtcagtag	cacacacttg	tcccacagta	2400
gtgcccactc	tgcaattttc	aaaaattgta	aaagtataag	tttcttctgt	aaaaattggg	2460
tagttatcat	tttcatcctc	tattttgatt	attaggggca	gtggaagtgc	tggagtatac	2520
ccatctggag	ttgttgcaaa	ggcaattatc	tcaaaagatt	catactgctc	acgatctaca	2580

```

ggacgagtac aatacaagtt tccagtgtct ctctccacat aaaataaatt ccgagggttct 2640
tggatcaactc caggacctct tatggaatag tatatgggat agttttgggc cgtgtcagat 2700
tgaacctgtt gaaggaaaag tggaaaagga cccaaggagt tttctagcat cgaacaagga 2760
attggagccc atcttctctt ggcgcgccct agaacttttt ctttagtatg tcttttcttt 2820
aggacctttg tttgatgctc caaaaagaca aatattttct tcttttcttg gttctcagtg 2880
ttggaaaagta atatggtaaa acttctcttc tccgaggaca atagaatagt atttgttgta 2940
tagactgaac catcctccaa aatttggaag tcaggatcac ttgaatgaat tagatttgca 3000
gctgtaaaagc actctttcag gttaactcta ccaacaagtt tctcggcatc tagtttgag 3060
ggaacatgta atgtcacatt tttgcaggca tcaactggcaa atattaagaa cgcgaagggt 3120
caccaggaag cagccggcag agggctccgt tccaggagcc ggaggggagg gctgcctcca 3180
tggagagggc tcggggcagg tcgcgggccg agcgtcgggc cggggggttag gagggctccg 3240
cgggggagag ggccgcggcc ggagcgagct ctgggcccgc tgctcaggag gagcgcgagg 3300
cggaggagggt ggggcgcgcg gagaggtgct tttcttagct tctctgaagc gcctgcctct 3360
catc 3364

```

```

<210> 6083
<211> 3494
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (84)...(2346)
<223> similar to gi520934 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 6083
cgggtgctgcc gccgttgccg ggagccgcgg agacaagtca ttacgttttc atttctcaca 60
actgggctga gcacaactga accatggggg aacacagtc agacaacaac atcatctact 120
ttgaggcaga ggaagatgag ctgacccccg atgataaaat gctcagggtt gtggataaaa 180
acggactggt gccttcctca tctggaactg tttatgatag gacctgtgt cttattgagc 240
aggaccttg cactttggag gatgaagatg acgacggaca gtgcggagaa cacttgcctt 300
ttctagtagg ggggtgaagag ggctttcacc tgatagatca tgaagcaatg tcccagggtt 360
atgtgcagca cattatctca ccagatcaga ttcatttgac aataaaccct ggttccacac 420
ccatgccaa agaatattgaa ggtgcaaccc tcaactctgca gtcggaatgt ccggaacaa 480
aacgtaaaga agtaaagcgg taccaatgta cctttgaggg ctgtccccgc acctacagca 540
cagcaggcaa cctgcgaacc caccagaaga ctaccaggag agagtacacc tttgtctgta 600
atcaggaggg ctgtggcaaa gccttcctta cctctcacag cctcaggatc cactgagcag 660
tgcacacgaa ggagaagcca tttgagtgtg acgtgcaggg ctgtgagaag gcattcaaca 720
cactgtacag gctgaaagca catcagaggc ttcacacag gaaaacgttt aactgtgaat 780
ctgaaggctg cagcaaatac ttcaccacac tcagtgtatc gaggaagcac attcgaactc 840
atacagggga aaagccattt cgggtgcgat acgatggctg tggaaaagca tttgcagcaa 900
gccaccacct taaaactcac gttcgtacac atactgggtg aagacccttc ttctgcccc 960
gtaatggctg tgagaaaaca ttcagcactc aatacagtct caaaagtcac atgaaaggtc 1020
atgataacaa aggacactca tacaatgcac ttccacaaca caatggatca gaggatacaa 1080
atcactcact ttgtctaagt gacttgagcc ttctgtccac agattctgaa ttgcgagaaa 1140
attccagtac gaccaggggc caggacctca gcacaatttc accagcaatc atctttgaat 1200
caatgttcca gaattcagat gatacggcaa ttcaggaaga tctcaacag acagcttctt 1260
tgactgaaag ttttaattgt gatgcagagt cagtcagtga tgttccgcca tccacaggaa 1320
attcagcatc tttatctctt ccacttgtac tgcaacctgg cctctccgag ccacccagc 1380

```

ctctactacc	tgcctcagct	ccgtctgctc	ctccgcctgc	tccctcccta	ggacctggct	1440
cccagcaagc	tgcatttggc	aacccccctg	ctctcttaca	acctccagaa	gtgcctgttc	1500
cccacagcac	acagtttgc	gctaatacatc	aagagtttct	tccgcacccc	caggcaccgc	1560
agcccattgt	accaggactt	tctgttgttg	ctggggcttc	tgcatacagca	gcggcagtgg	1620
catcagctgt	ggcagcacca	gccccaccac	aaagtactac	tgagcccctg	ccagccatgg	1680
tccagactct	gcccctgggt	gccaactctg	tcctaactaa	taatcccaca	ataaccatca	1740
ccccaaactcc	caacacagct	atcctgcagt	ccagcctagt	catgggagaa	cagaacttac	1800
aatggatatt	aaatgggtgcc	accagttctc	cacaaaacca	agaacaaatt	cagcaagcat	1860
ctaaagtga	gaaggtgttt	tttaccactg	cagtaccagt	agccagtagc	ccagggagct	1920
ctgtccagca	gattggcctc	agtgttcctg	tgatcatcat	caaacaagaa	gaggcatgtc	1980
agtgtcagtg	tgcatgccgg	gactctgcaa	aggagcgggc	atccagcagg	agaaagggct	2040
gctcctcccc	acccctccca	gagccgagcc	cccaggctcc	tgatggggccc	agcctgcagc	2100
tcccagcgca	gactttctct	tcagcccctg	gttcccgggt	catcatcctc	taccttgccc	2160
tctcctgtg	agcaaagccg	acaagcagag	actccttcag	accctcagac	agaaacatta	2220
agtgccatgg	atgtgtcaga	gtttctatcc	ctccagagcc	tggaaccccc	gtccaatctg	2280
attcccattg	aagcactact	gcagggggag	gaggagatgg	gcctcaccag	cagcttctcc	2340
aagtgaaggg	cccatgtgtg	ctcacctctg	ggaaaagcgg	gtgagcagga	ggcatgaggt	2400
acaatgcctg	ccatcatggg	tcagaaaattt	gaaggatgaa	gaaatctact	gtttgaaatc	2460
ctcacctttc	agacgtattt	tctttattca	catcccagga	gcatccattt	taaggaaacta	2520
ttctttggaa	aaaaccgaaa	aacataaaaa	acaacaaaaa	aagctaagtt	ataagtgaac	2580
tgtttggtg	cactgtatgt	cacttttgct	tgttgtcatg	tgaacttgga	aactaagggt	2640
actcgtgtgc	ataaaaattc	taaatgaaag	ggtgtggttt	ccatcaatct	gatgctgccc	2700
atcgtctgca	ctggggctct	tgtggatcgg	gcaggagttt	tcagtgtgtt	gggtgttgct	2760
ccttcctatg	tgtcttttga	atctgaggct	gacatttgct	tggaaggcca	gacccttgct	2820
ccatcagaga	gggcagtggc	aaaggccagt	gaggcagctg	tgagttggac	agggttccag	2880
gtggagatgg	tgttgtcatt	tgtgcttact	gttggtggtg	ctcaggggtg	ataacacggg	2940
tcgttctggc	agcccgcctc	agcacaaaata	ggcagcttaa	ggcctggctc	acaaggctgt	3000
ggggttaaat	ctggctctgc	agaggcccta	ggccagcttg	ttgaactgct	gtctggttga	3060
atgaacgtgt	gtgcaaagca	aggctcttag	caaacatgat	cactgtcctt	gccttcctgg	3120
ttctttctct	cggttggttg	ccagggcttg	cagatcgag	tgaattttcc	ttggggaaca	3180
tcgctgtttt	gtcctagagt	gaacttgtgg	cttatggcca	gtgctgtttg	gtggtctgcc	3240
ttcttttttaa	tgggtattttc	ttcctcagag	cagaagggtg	gcattttgct	tatcagaaga	3300
aggtgcagat	ttaagggaat	tcatatgagg	tggcatgtaa	ttggcaggcc	agggtgcctg	3360
gttccaggtt	ccagccaggc	tttgggttgc	cccctccatc	tctgcccccc	tctggatttt	3420
gcatacagcc	tcatacagtg	caaacaagga	tgtgacttgc	tcagcttagt	catgtgattt	3480
atttaaaaaa	aaaa					3494

<210> 6084

<211> 4407

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (447)...(2959)

<223> similar to gi4886427 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 6084

tttcgtttct cgcgcggatg gtgaagctga atttggttcg ctttaccctc ggacaggaga 60

gcacggctgg	gcacgggggg	actcaccgcc	agtgagagta	gggacgaagg	ctcagggaag	120
gcgagcttcg	gtccaagccg	ttgggggtgtg	gggaggggaa	tccatttcgt	agacagctct	180
gccgaggcac	ggagaggggc	ggtgctgctt	gggttcaact	gggatttagg	gcttggattc	240
atttaagaac	ctgagcttcc	ttcaccaaac	ctagacagca	agagagagac	aagcccaggg	300
cctgacttct	agcactcctg	agtttgagcc	ctatgagcag	tggaaacctag	ggaccaccaa	360
ggatccagat	ataattcttt	cctcagtaat	agaaaaaaga	atctgggatc	taagaagata	420
cctactcatt	ttctaagtga	ctggccatgt	cattgtccca	cttataaccg	gatggggaag	480
gccgcattga	tgatgatgat	gacgagcggg	agaactttga	gatcactgac	tgggatctcc	540
agaatgagtt	caaccccaac	cgacagcgcc	actggcagac	caaggaagaa	gccacctacg	600
gggtgtgggc	agagcgagac	tcggatgatg	agaggcccag	ctttggaggc	aaacgggccc	660
gtgactactc	tgcgccagtc	aacttcatca	gcgcagggct	caagaaaggg	gcagcggagg	720
aggcagagtt	ggaagattct	gatgacgaag	agaaacctgt	taagcaggac	gactttccta	780
aggattttgg	accaaggaag	ctaaaaacgg	gtggcaattt	taagcccagc	cagaaagggt	840
ttgcaggagg	aaccaaactc	ttcatggact	tcggcagctg	ggaaagacac	acaaaaggaa	900
ttggacagaa	gcttcttcag	aagatgggct	acgtccctgg	acggggcctc	gggaagaatg	960
cacaaggat	cattaaccca	attgaagcca	agcagagaaa	gggaaaagg	gctgtggggg	1020
cttatggatc	cgagcgacc	actcagtcca	tgcaagactt	ccctgtgggt	gactcagagg	1080
agaagctga	agaggagttt	cagaaggagc	tgagccagtg	gaggaaagac	ccaagtggaa	1140
gcaagaagaa	gccccaaatac	tcttacaaga	ccgtggaaga	gttgaaggcc	aagggcagga	1200
ttagcaagaa	gctcactgct	ccccagaagg	aactttctca	agtcaaggtc	atagacatga	1260
caggccggga	gcagaaggtc	tactacagct	acagtcagat	cagccacaag	cacaacgttc	1320
ccgatgatgg	gctgccgcta	cagtcccaac	agctgccaca	gtctggcaaa	gaggccaagg	1380
cccccggtt	cgcgctgccc	gagctggagc	acaacctgca	gctgctcatc	gacctcacgg	1440
agcaggagat	catccagaat	gaccggcagc	tacagtatga	gcgggacatg	gtggtcaacc	1500
tcttccatga	gctggagaag	atgaccgagg	tcctggacca	cgaggagcgg	gtcatctcga	1560
acctcagcaa	ggtcctggag	atggtggagg	agtgcgagcg	gcggatgcag	cccgactgca	1620
gcaacccct	caccctggac	gagtgtgccc	gcatcttcga	aacctgcag	gacaagtact	1680
atgaggagta	caggatgtcc	gaccgtgtgg	accttgcctg	ggccatcgtc	tatccactca	1740
tgaaggagta	cttcaaggag	tgggatcccc	tcaaagactg	cacttatggc	accgagatca	1800
tctctaagtg	gaaaagcctc	ctagagaatg	accagctctt	gtcccatggc	ggacaggacc	1860
tctcagcaga	tgcctttcac	aggttgatag	gggaagtctg	gatgcctttt	gttcgaaata	1920
ttgtcaccca	gtggcgacca	aggaactgtg	acccgatggt	ggactttttg	gatagtggg	1980
tgacattat	tcctgtgtgg	atcttagata	acatactgga	ccaactcatc	ttccccagc	2040
tgcaaaagga	ggtggaaaac	tggaacccgc	tcacagacac	tgttcccatc	cactcttgga	2100
tccacccatg	gctgcccctt	atgcaggcac	ggctggagcc	actctattcc	cccatccgta	2160
gtaagctgtc	cagcgccctg	cagaagtggc	accccgagca	ctcctctgcc	aagctcatcc	2220
tccagccctg	gaaggatgtc	ttcactcctg	gctcctggga	agcattcatg	gtcaaaaaca	2280
tagtgcccaa	gctggggatg	tgtcttggtg	agctagtcat	taacccccac	cagcagcaca	2340
tggatgcatt	ctattgggtg	attgactggg	aagggatgat	ctctgtctct	agcctgggtg	2400
gacttcttga	aaagcacttc	ttccccaaag	ggcttcagg	gctgtgctct	tggctcagta	2460
acagcccaaa	ttatgaggag	atcaccaagt	ggtacctggg	ttggaagtgc	atgttctcag	2520
accaagtgt	ggcacatcca	tctgtcaagg	acaaatttaa	tgaggcactt	gatatcatga	2580
accgggcggt	gtcctccaac	gttgggtgct	acatgcagcc	caggagcacg	ggagaacatt	2640
gcctatctca	cccacacgga	gcggaggaag	gacttccagt	acgaggccat	gcaggagagg	2700
cgggaggctg	agaacatggc	tcaaaggggc	attggcgtgg	ccgctagctc	tgtgcccatt	2760
aactttaagg	acctcattga	gaccaaggct	gaggagcaca	acattgtctt	catgcccgtc	2820
attgggaagc	gacacgaagg	gaagcagctc	tacacctttg	gccgcattgt	gatctacatc	2880
gaccggggag	tggcttttgt	ccagggcgag	aagacgtggg	tgccacctc	actgcagagc	2940
ctgatcgaca	tggccaagtg	aactgtggca	ggtccagaac	cagtcagaga	cttgccccta	3000
agagggatgt	actgtaaata	aacagtattt	ttagatcacc	ttcaaaagg	taacttcttt	3060
actcaggagc	tactccacat	caggccagg	catgagggaa	ggatgtaaaa	cgggacaatg	3120
ccacggtagg	gcagggaatc	ttataccaag	tcctcatgtg	gggtatcgtc	ctcaaaacag	3180
gacagccaag	ttgatgttct	ttcctggcaa	aggagtcttc	tggtagttcc	tccatagcag	3240
ccttcccctt	agtctctgg	ggcagcttct	acctcagcca	acactgagta	cctcacaacg	3300
agttcagtca	gtagcagaag	gatcttctct	cttgttccct	atgatttcaa	ggtcctcaca	3360
gtcctgataa	tctgggttct	cccgaactc	cccaaatatc	ctatggagag	ctggttctag	3420
cttttgcaca	gggaaccagt	ggacagaggt	atcattaaat	atgtccatgt	attgtgaagt	3480

ctgaggaaac	tcaagctcct	ccagtccttt	taaaatctga	gcagaaaaat	tcaagtataa	3540
aaacttcaga	tagtcacagt	aatccccact	cttttgggat	aaatttccac	tttacttgtc	3600
atccccactt	tactttttta	aaaaataaca	aatagggtat	tttgatttaa	atgcttttgc	3660
ccaatgaatt	ggggcgcccc	aaggacagtg	gatatcatgg	actgtgatac	taagaataaa	3720
ggaaataagg	aaaaaactta	gagatgcatt	taagagtcac	agctttctgg	aacacagacc	3780
catggagaga	gctgacagta	cacttgcgcc	acttaggcca	tgagtttctt	cctacggctg	3840
taaagaaaga	tagaattctt	ctcagtttca	cacccttttc	catcccagcc	cctttattca	3900
gatatgatacc	tttgcaatgt	agggataatt	tttctgcaga	atccttgcca	acaacctaga	3960
aattaaaaaa	aaccaaaaaa	acaaaaaaaa	aaacatgat	taggagggtat	gaggatagtt	4020
tcattcaact	ttttaaaccac	ataaaagggc	aagatgattg	aagcatagta	agaattcagg	4080
aaaaaactca	agatgtggag	taaaccagtt	aaatagttga	aaatgtgggc	caggcgagg	4140
taatcccagc	acttcaggag	actgaggcgg	gcggatcatt	tgaggtcagg	agttcaagac	4200
cagcatggcc	aacatggtta	aaccccatct	ctactaaaaa	tacaaaaatc	agccgggcgt	4260
cctggtgtgc	atctgtaatc	ccagctactc	attaggctga	ggtaggagta	tcgcttgaa	4320
ccaggagaca	gaggttgtag	tgagctgaga	ccataccact	gcactccagc	cggggggaca	4380
gagtgagact	ccatctcaaa	aaaaaaa				4407

<210> 6085  
 <211> 1734  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <221> misc\_feature  
 <222> (160)...(1624)  
 <223> similar to gi5916108 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 6085	
ggcacgagg	gcccagctc
gtccaggccg	agcttgcaact
cgccctcctt	gcagtcctcct
aagcggagag	aggatgagaa
aaggagctgg	gcctcatcag
atcttcgttt	cccccaagtc
atatgggagg	cttgcggggt
acaatgatca	ccaagtcagg
ccgcctacc	tcttctcctg
atctgcctca	gcttctccga
caaatcggtg	tgaaatgcct
ctgagcgtgc	ggctgggaag
gtggccatca	tcacatcag
gataattctt	tcgagggcgc
ggactctggg	cctatgatgg
ccttacagaa	acctgccttt
atcctcatga	acgtgtccta
gcgggtggctg	tgacatttgg
tttgtggcat	tttcaaccat
atttacgtgg	cgggcccggg
gcgcctcact	ccagccccc
ctccggctct	gcagggtcac
ctgctgctgc	tgaaccaaga
ggaggaaaca	tgggggatac
agccaagagc	ctaagaccac
gcacctcat	tggtctctgg
ctgtggggcc	ctgcctcatc
tggtgctttg	ggagcttggc
tgagggccta	cggggccatc
agccccagtc	cttcgcctatc
atgtgggctg	caagcctcct
tcacctcgac	agtgaactca
ccgcggccaa	gctgggtgatc
aaggaaacac	aaagaatttt
tcagcctggc	gttttacaat
tcacagaaga	acttagaaac
ccctgggtgac	ggcgtgctac
ccgaactcct	gcagtcctcag
cttcttggat	cgttccactt
gcttcacagc	gggcagactc
ctcaaagtgc	tttcttacat
atagcaacga	tttatatcat



<220>  
 <221> misc\_feature  
 <222> (72)...(1449)  
 <223> similar to gi2337865 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 6087

cggccgcgctc	gacccgcacc	atgggggtccc	gccacttcga	ggggatttat	gaccacgtgg	60
ggcacttcgg	cagattccag	agagtcctct	atttcatatg	tgccttcag	aacatctctt	120
gtggatttca	ctacttggct	tctgtgttca	tgggagtcac	ccctcatcat	gtctgcaggc	180
ccccaggcaa	tgtgagtcag	gttgttttcc	ataatcactc	taattggagt	ttggaggaca	240
ccggggccct	gttgtcttca	ggccagaaag	attatgttac	ggtgcagttg	cagaatgggtg	300
agatctggga	gctctcaagg	tgtagcagga	ataagaggga	gaacacatcg	agtttgggct	360
atgaatacac	tggcagtaag	aaagagtttc	cttgtgtgga	tggctacata	tatgaccaga	420
acacatggaa	aagcactgcg	gtgacccagt	ggaacctggg	ctgtgaccga	aaatggcctt	480
caatgctgat	ccagccccta	tttatgtttg	gagtcctact	gggatcggtg	acttttggct	540
acttttctga	caggctagga	cgccgggtgg	tcttgtgggc	cacaagcagt	agcatgtttt	600
tgtttggaat	agcagcggcg	tttgacgttg	attattacac	cttcatggct	gctcgctttt	660
ttcttgccat	ggttgcaagt	ggctatcttg	tgggtggggt	tgtctatgtg	atggaattca	720
ttggcatgaa	gtctcggaca	tgggcgtctg	tccatttgca	ttcctttttt	gcagttggaa	780
ccctgctggg	ggctttgaca	ggatacttgg	tcaggacctg	gtggctttac	cagatgatcc	840
tctccacagt	gactgtcccc	tttatcctgt	gctgttgggt	gtcccagag	acaccttttt	900
ggcttctctc	agagggacga	tatgaagaag	cacaaaaaaa	tagttgacat	catggccaag	960
tggaacaggg	caagctcctg	taaactgtca	gaacttttat	cactggacct	acaaggtcct	1020
gttagtaata	gccccactga	agttcagaag	cacaacctat	catactctgt	ttataactgg	1080
agcattacga	aaaggacact	taccgttttg	ctaactctgg	tcactggaag	tttgggattc	1140
tactcgtttt	ccttgaattc	tgttaactta	ggaggcaatg	aatacttaaa	cctcttctct	1200
ctgggtgtag	tggaaattcc	cgccctacacc	ttcgtgtgca	tcgccatgga	caaggctcgg	1260
aggagaacag	tcctggccta	ctctcttttc	tgccagtgc	ctggcctgtg	gtgtcgttat	1320
ggtgatcccc	cagaaacatt	atattttggg	tgtggtgaca	gctatgggtt	gggaaaattt	1380
tgnccatcgg	ggcagcattt	gggcctcatt	tatctttata	cagctgagct	gtatccaacc	1440
attgtaagat	cgctggctgt	gggaagcggc	agcatggtgt	gtgcctggc	cagcatcctg	1500
gcgcggttct	ctgtggacct	cagcagcatt	tggatcttca	taccacagtt	gtttgttggg	1560
actatggccc	tcctgagtg	agtgttaaca	ctaaagcttc	cagaaaccct	tgggaaacgg	1620
ctagcaacta	cttgggagga	ggctgcaaaa	ctggagtcag	agaatgaaag	caagtcaagc	1680
aaattacttc	tcacaactaa	taatagtggg	ctggaaaaaa	cggaagcgat	tacccccagg	1740
gattctgggtc	ttggtgaata	aatgtgccat	gcctgctgtc	tagcacctga	aatattat	1800
accctaattgc	ctttgtatta	gaggaatctt	attctcatct	cccatatgtt	gtttgtatga	1860
ctttttaata	aattttgtaa	gaaaatttta	aagcaaatat	gttataaaag	aaataaaaac	1920
taagatgaaa	attctcagtt	ttaaaaactg	ctttcttatt	gctgcaaaat	atttttcaac	1980
atttgttttt	ctatgtagtt	gattctcaac	ctttccccac	caccccccta	ccaagctcgt	2040
gccgaattct	gcgc					2054

<210> 6088  
 <211> 2604  
 <212> DNA  
 <213> Homo sapiens

<220>

<221> misc\_feature  
 <222> (408)...(812)  
 <223> similar to gi4886499 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 6088

ggaattcgtg	ctccgcctcc	ggtcttacgt	ttcgcccccg	gcagcgccga	cagcggaccc	60
aagatggcga	ccgagttgga	gtacgagtct	gtgctgtgtg	tgaagccaga	cgtcagcgtc	120
taccggattc	cgccccgggc	ctccaaccgc	ggttacaggg	cctctgactg	gaaattagac	180
cagcctgatt	ggactggtcg	cctccgaatc	acttcaaaag	ggaagactgc	ctatatcaaa	240
ctcgaggata	aagtttcagg	ggagctcttt	gctcaggcac	cagtagaaca	atatcctggg	300
attgctgtgg	agacggtgac	agattctagc	cgctactttg	taatccggat	ccaggatggg	360
actggtgggt	aaagcaggaa	tctgagattt	ccaaggaatc	tcaagaaatg	gatgctcgtc	420
ctaagttgga	tctgggcctt	aaggaaggac	aaaccatcaa	gttgtgtatc	gggaacatta	480
caaacaagaa	aggaggtgct	tctaagccca	ggactgcaag	gggtgggggt	ctgagcttac	540
tcccaccccc	gccaggaggc	aaagtcacta	ttccccacc	atcctcctca	agttgccatc	600
aaccaatcat	gtcacccac	catccattcc	gaaatctaac	catggaggca	gtgatgcaga	660
tatcctttta	gatttggtt	ctcctgctcc	tgtcacgaca	ccagcaccaa	ctccagtttc	720
tgtaaagcaat	gacttggtgg	gagacttcag	cactgcctcc	agctctgttc	caaaccaggc	780
accacagcca	tccaactggg	tccagttctg	aatggcattg	gcaggacatt	aaggacagac	840
ttgaggaata	aaaatgacct	tgagggcacc	aatctgtgag	ggaagttagg	aaccattttc	900
ctccccagaa	ccagaatgac	tggacaatct	ttttcatagc	ttctccatca	cattcaagct	960
ggtttatgtc	actcccctgt	gttgttactt	gtacagccaa	gaaagtatct	gttatctcct	1020
gcgtagtacc	aaggtagggg	gactagttgg	atcttattat	agttttgggc	tggactatgc	1080
agggtctaaa	aggccagcgt	ctgtttgagg	gggaatgacc	tctaacatct	gtaaaatttg	1140
tctcatcttt	taatttcttt	aacttatttc	aaaatcatct	catgaccctt	gtgtgcctct	1200
ttgtgaagcc	ctatttagca	atttcagggg	agtcaaaaaa	cttgcaactt	ccttctccac	1260
taaccagga	ctaaaaatgg	acaggctgac	cctagtgttt	acaaattcag	aattttgata	1320
ggggtagata	tggagaaaga	cctatttcct	gggtctctgc	tgtgtagtct	ccttcaggct	1380
tattgtgctc	agtgaacatc	cagtgtctgg	tgcagctcca	tcaccctctt	gtgtgtttac	1440
atgtctcttt	ctatgataag	agggttgtgt	tgggtggcacc	tccactactc	ttttctgttt	1500
gttgagtttg	aattgtgtaa	catctttgat	cagtgggtgt	atctgtaatg	aaggaggttc	1560
aagaggctgt	gctttccaag	tgatagtcta	taggagtgtt	taatttcttg	cagctccatc	1620
tggttgctgc	atttgaagca	tggcattaat	ttgtatttgc	cctgttcttt	gacctaaagt	1680
tgaagggttt	agagttttta	acctgatctg	tagagcagag	aggttgaaag	cacttaactc	1740
ttgttttagta	tcctcattgc	cttgctgcct	gggtatctgg	cccctttcca	taaacatttc	1800
ttttcagttc	atgtagtctt	ttaatagaaa	gctgctatta	tgtatattgt	catttgtgaa	1860
ggaagttagga	gagtcacagc	tttactgtga	caggttttgc	ccaaggcttt	gatacctgtc	1920
accagggtta	tcttaaaagc	aagttgttct	cccactactt	tcctttccct	ctgccctgcc	1980
attcctatta	caatgctgtg	aaaaaagttc	tgtctcttag	gtgaatgggt	actttctatt	2040
ttgtttctaa	acgagcaatt	ttgaggatga	aatgggaaga	tatcattgct	tcctttttgc	2100
acctattggg	tatgtacact	ctggccgaag	ggagtcctta	tgttttagtt	caaaaatat	2160
tactttcctg	gattctcttc	ttcacttttt	ctgacttttg	gtccattttc	ttttcattgc	2220
ctccttttcc	aggcagctct	attcttgcag	agccatagca	ggacatgtta	aaattccaat	2280
agaaaacact	aaaaggaaag	tctgtggaat	cactagtgc	taaatactgg	gaacctattt	2340
tctcaatctt	cctccatgtt	gtgttctttg	tattcttgag	atgataatat	attatgtatt	2400
tgaattcctg	aaaaatggaa	aatgtttaag	atatatgtat	ataaatgatt	atgctgtatt	2460
ggtgcaataa	tggtaattaa	aaatatgaaa	aaaagtgtct	cttttatctt	ttaatttgct	2520
tatttgatta	ccttttaaat	ttaattgacc	aaatataagt	ggaccagtag	ttaataaagg	2580
atatttatat	cactctttat	taag				2604

094827.0 "28460



<210> 6089  
 <211> 4446  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <221> misc\_feature  
 <222> (309)...(1361)  
 <223> similar to gi4589504 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 6089

cgaccggctg	gagttacggg	ccgacgactt	cgttggcggt	cctggctcct	cgggattttc	60
cttttctctc	taagctgctg	attcatcccc	aggctgttgt	caggctcagc	tgtggggctg	120
ggagcatggg	ctctcaggct	gctgctgagt	ggaggaactg	ggcctcctgg	gaggggtcct	180
ccagcctctc	tggatgctcc	atggggtgct	tcaaggatga	ccgcatcgtc	ttctggactt	240
ggatgttctc	cacctacttc	atggagaaat	gggtccccg	gcaggacgac	atgcttttct	300
atgtgcgccg	gaagctggcg	tactccggca	gcgaaagcgg	tgcagacggg	aggaaggcag	360
ctgagcctga	ggtggagggtg	gaggtgtacc	ggcgggactc	caagaagctg	ccaggcctgg	420
gagaccctga	catcgactgg	gaggagagcg	tctgcctgaa	tctcatcctg	cagaagctgg	480
actacatggt	gacctgtgcg	gtgtgcacac	gtgctgacgg	cggggacatt	cacatccata	540
agaagaaaatc	tcagcaagtg	ttcgcgctcc	ccagtaaaca	ccccatggac	agcaaggggg	600
aggagtccaa	gatcagctac	cccaacatct	tcttcatgat	tgcagcttc	cgaggaaggt	660
gttcagcgac	atgaccgtag	ggaaaggaga	gatggtctgt	gtggagctgg	tggctagtga	720
caaaaccaac	acgttccagg	gggtcatctt	tcagggtctc	atccgctacg	aggcgctcaa	780
gaaggtgtat	gacaaccggg	tgagcgtggc	cgcccgcatg	gcacagaaag	atgtcgtttg	840
gcttctccaa	gtacagcaac	atggagtttt	gttcgccaatg	aaggggcccc	agggcaaggg	900
ccacgccgag	atggcgggtca	gccgagtgtc	tacaggtgac	acatccccct	gtgggactga	960
agaggactcc	agcccagctt	cgcccattgca	cgagcgggtg	acctccttca	gcacaccccc	1020
cacccagaaa	cggaacaacc	gtcctgcctt	cttctcccca	tccctcaaga	ggaaggtgcc	1080
gcggaaccgg	atcgctgaga	tgaagaagtc	gcactcggcc	aacgacagcg	aggagtctct	1140
ccgggaggac	gacggtggag	ccgatctgca	caatgcaacc	aacctgcggt	ctcggtccct	1200
gtcgggcaca	ggacggtccc	tggtcgggtc	ctggctgaag	ctgaacagag	cagatggaaa	1260
cttctttctc	tatgcacact	taacctacgt	cacgttgccg	ctgcatcgga	ttttaacaga	1320
catcctggaa	gttcggcaga	agcccattct	gatgacctag	ccgctgctgg	agcctgcgca	1380
gagccccggc	cgggcccagc	cctcggagtg	ctgccaagtg	cctacctgtc	caccgccacc	1440
ggggtctgcg	atggcacgcc	agtgtctggag	ccgcagccag	gcgaggccac	tcgactcccg	1500
gggcccgggg	cgactccaag	aacaccagcc	caaactgaag	tgctctctcc	ctccccctgt	1560
ggcgctgctc	cgccctgtgc	cccccgccca	tgcgccccca	cccatctctg	gagagccctc	1620
tgcacccaaa	gaggactaga	gatgccgagc	ggccatgaga	gagagcggaa	ggagcagctg	1680
atgccagag	cggggccaga	gcggcgggtc	tatgttcacg	tccccccagc	agcaggcgga	1740
accaccagc	cagggcactc	agtgcattgg	actgtccaca	tgttcttgag	gaaagccggt	1800
ggaagattct	ggaatgccgt	gcggatgaac	ttcagcgccc	gagtcagtcc	cagctcatcc	1860
tcccagttt	accactttgt	tctaatagga	gatgggaaca	cgagaagtgt	gatggctttg	1920
ccctgggctg	ggaataacct	acccacgccc	agttccagaa	aggcctccag	ctgagcagac	1980
ggccccgatac	ccgccagaac	ggccttttgc	ttccagccaa	agaacaccgc	caacacgcac	2040
acctccaacc	tgggacatcc	cacgctgggc	ctcgcacgga	ggaacctgca	gaatttgat	2100
tctgagggtg	gtcgggaggc	ctcggtagcc	aggcagaaca	ggatatctgc	caaagggtgt	2160
ctgatgtggg	gtggggctgg	catcctccca	ggaaggttct	aggtgggacc	ccgtcttctg	2220
ggggcggggg	tgtcttttca	tcttccctgg	tttcctagaa	ctcacttcct	ttgacggcgt	2280
gtgttggtcc	catctctcag	accagctcac	tgaggcagag	gagttgctca	gaggctcaca	2340
tgggcacccc	cattggttcg	tgtgagcagc	tgcccagccc	caggcctgcc	ctcggcctgg	2400
tccagcatga	aggcgtttcc	atctgcaagg	atgcacggta	ccctccccga	gagcaggcct	2460

gtccccctacc	caactgggaa	taaactggaa	gctgggtctc	tttgttgcta	tgtttttttg	2520
tttgaaagttc	ccaggaatat	ttgaggggtt	ccggtgatgt	gttttagggat	cttctctgtg	2580
ggggaaaagg	aagaggagg	tcttgttctc	ccatctgttt	attctttggg	ctctgggaac	2640
aggggactac	tttggggctt	tctccagact	tttgtatggt	gttattaaaa	gcgagctatt	2700
gcatttcatt	ctgcctcagt	ttgcccacct	gtgaaatggg	gctgatacca	cctacctcac	2760
tgaagtccca	gggttcaagt	gtgtggctgg	gtcagggcgt	ggtcacccgt	cattctgcat	2820
aggtcgggtt	ggatgttaga	ctcctgggat	gccctcctcc	cccctcgccc	tttghtaataa	2880
cctaactctga	gaccgtgctt	ggtgggggga	tgtgaacttt	ctctctcccc	cagcagtgtc	2940
tgctcaggcc	tgacagctca	gctctgcacg	atttcatggt	cctaaaccca	tgtcttaggg	3000
cagcacagag	ccaggtcatg	tcatgcccc	aagtgtgggg	acagagcctc	agggagcccc	3060
gagcatggtc	cagccccatt	tgagtgtctt	ccggggatgc	caaagtctgc	ttccaagtgtt	3120
gagtccatgt	ggctaaaata	cacccatttc	ttcaggaact	cttccccctg	ttgttctggg	3180
gatcttggtg	gaaacacagc	cctgacagct	cgtccgtggg	aagatgaggc	agtccaggtt	3240
gtgaggagca	cagcggcccg	ccctctgttc	tcagaggtga	ggggcgggag	aaggttgtct	3300
cctctggggc	cagcatttgg	ccaagctcgg	aggcttgccc	agcactgctg	gatggctcag	3360
agcaagctgg	gctccccgtc	tgtaaagtgg	caaaaaatgct	gccccctca	caggtgtacc	3420
atgaggacca	gtcacagtga	tgtgtgaaa	ggctcgctgg	tcacagaaac	gtgtacaaat	3480
catgctattt	tagagatcag	ccctcaattt	gtaaggcatg	tgaacagggc	acgcggtggg	3540
ctgggtggtt	catagccgac	acacagcgcc	taccatgtgc	agctgcctgt	ccgaccccat	3600
cttacagacg	agaaaaccag	cacacaggca	ccaagggaact	gtccggaact	aacagcaggg	3660
gccggcgatg	ggagtcaaac	ccaggcacgc	ggcctggcct	gcatgctgag	ccacatgggtg	3720
ctgtccggac	agatggacag	acactcgggtg	gagtctgcct	ttctcaggcc	ctaaatccct	3780
ctccaaaggg	tacttgcgat	gccggattta	aaacttgctc	agagccactt	agccacttga	3840
gaaccagaca	gtaagggtgt	actcccagggt	ttgtttttcc	aaagtaacag	atgacatgtg	3900
gaataaagta	atagagtaac	aagtggcagg	gccagaacca	gggtcccca	agtcctggtg	3960
ttggcacatt	tgtacttctt	gtaagaccat	ctttaatttt	tctgggaaca	cacctgcctt	4020
ttgtgtaatg	cggggaagac	taatgcatgg	tgacacctag	ttttcctcaa	caggacactt	4080
gatcccaaaa	cccctttaag	accttaggtt	tcctcagcgg	aaaactgtac	tttaatccca	4140
aacccccctt	aagacatatt	ggggctgggc	gcagtggctg	cacgcctgta	atcccagcac	4200
tttgggaggc	tgagatgggt	ggatcacctg	agatcaggag	ttcaagacca	gcctgactaa	4260
catgctgaaa	ccccatgtct	actaaagata	gaaaaattag	ccggacatgg	tggcaggcac	4320
ctgtaatccc	agctactcgg	aaggctgagg	aaggagaatc	acttgaacct	agtaggcaga	4380
ggttgcagtg	agccgagatc	acgccattgc	attctagcct	gggcaacgag	agcgaaactc	4440
tgtctc						4446

<210> 6090

<211> 3941

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (3912)...(1655)

<223> similar to gi49518 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 6090

tttttttttt	ttcaagtata	tttactcttt	attgcattcc	ttcatttgca	ttaaacaata	60
ttttttcaat	acagttttgg	acaaaacaca	aagacattaa	gctcatttaa	caagagacat	120
aagttaacac	aatgtgtgct	gctttcatga	ggaggaaaga	ggcaagatct	tagaggaatc	180

caggatactg	gccaccagga	atcacaggat	ctcacaatac	aatccacttc	tttaaaagcc	240
acaaaataag	ctagggaaga	aaacccaaaa	caaagaagat	atgacatcca	agtctccacc	300
aaaagtatac	aaatggcaag	atttggagat	gatctgcttt	ctcacatgag	gacaaataac	360
agaggagcca	cacccaagtg	ccactgtggc	cacaagcctc	atgggtggcg	tgtgaggtaa	420
gcaccttagg	atggcttcta	attgcttgtc	cttgcathtt	aagcagcagt	tgggagagag	480
aggcacactc	cataagtctc	atcaccaaat	atgacctaat	taaattcctg	ctaagtcagt	540
cagttgtaag	acaaatcacc	ctcaaaaagga	ctcaacgggt	gcttcctttt	ggaagaagtg	600
tgtggagggt	aaaggaaatg	tgttcaatgt	attggaatgg	acaataaagg	actgagggag	660
agggctagaa	aatgattgat	ttttctggag	aatagtgttt	tagacactag	atagtacaga	720
tcatttaaaa	taaaggataa	attctaagta	agtcattaag	ctaaggaaaa	agcagtgata	780
ctagtaagcc	ttaatatatt	actaaggaat	tgaccacttt	ggagttggac	actaattagt	840
gctgagaggt	ttgtaaatta	ctttaataac	tcctttctgt	ttgggggtgt	atgctttttc	900
catacctatc	tttcacatgt	ttttaacaac	atcttctaag	tggtataaat	gagcataatc	960
cttaccacag	agcaaatagg	ttatacttaa	ggggaagtca	caacccaaca	cggtagtcat	1020
ctgactttct	attaagaaa	atcttcttga	ctgcaacttg	aaaacatctc	tgacaatgat	1080
tgagaacagc	atttttagaga	ttcaatgcct	tgtttcttca	ggcaaagaga	ataccagtct	1140
tgtgggagac	ctttaaccaa	ataccagtg	acttttagtg	ttagctcagg	acagctgtca	1200
gaggatctct	ggccacacac	tcgatttact	aagccagatt	tgcatgtaga	aagtctgcct	1260
tctaatacgg	caactgttgt	catgcaacat	tcatgacact	gactgagagt	tttcaagggt	1320
gatggtgcta	gtagagaggt	tgaacgtgt	agtgtccaca	agtactggat	ggttcccacc	1380
cagagggact	gagcaagaag	gaatcacttt	agcctgcatt	ggaaggtaag	cgcagcattc	1440
taaaccaa	tgacaccttc	cacgagacac	taagctatct	cagtatgcat	aaggaaggga	1500
gttttattgc	actaatcatg	cagagcgagc	acatgttgaa	ggtagagaac	gttccactta	1560
gtccagtatc	ttgagtaaga	cagtgaagat	cctaggccat	cttcaccttg	gtcacttccc	1620
ttggtcactg	tgtgtttcaa	atagttcatt	ttcaatcaaa	atcaaggggg	ctagctcctt	1680
cttctcttaa	gagggccaa	aattttctca	cacggtattc	aggatccatc	tgtagggaca	1740
tctcgatcag	cattagtaac	ttcttgattc	ctatccagac	tttcttccct	ttgacttgct	1800
gtgcaattgt	ggtgcgttcc	ttatccttga	agttgcccaa	aagctccaaa	gcttccaaca	1860
gctgctctcc	tgtggcaatg	ttgggcacgt	ggatggtggt	gctgaaagcg	ttaagcattt	1920
ccatctcctg	aaggacatct	ttgcggtcag	tgggtccaat	gataagaagc	ttgcgccctc	1980
gaggaggtgc	ctttttcagt	aaaacgagaa	gagcctgtaa	tacaagattt	gaaaatcgag	2040
ggccaatagg	gacgtaatca	agcaatctct	caatgtcatc	cacaaccaca	caactgagct	2100
gggatttgta	cgcatacatc	aagatcttct	tcattggcctg	acatttggct	gtttcagaaa	2160
agccaatcat	tttatcagga	gaacagatct	tgatgaacgg	gaagttggat	tcctctgcaa	2220
tttttgagc	taaagcagtc	ttcccactgt	gaggaggggc	ttccagaagc	acgtgacca	2280
atggtgtgcg	gtcactgttc	ttagtctgct	gcaccagcag	ctccccatca	tctagaactc	2340
gagtaactgg	gtcaccccat	ttgatgatac	cgttcataat	gtaacttgca	taatcttctt	2400
ggtttgtgcc	aaaggctggg	ttgatatcat	tctccaaaga	agcaagggaag	tctcctctcg	2460
tcacttgagc	gctttctgct	ttctccatgt	ccacttccac	tttagtactg	gcctttatgt	2520
gtctattcat	agcagtggac	tgggctgctc	gcaccagacc	ctccaattca	gcaccactga	2580
aattcttggg	ctccacggcc	agttcttttaa	tgtctacatc	agcagagagt	aactgatgcc	2640
ctctcattct	tgtgtgtgtg	atgtgaagaa	tctgtagtcg	gcctttctca	tctggcaagc	2700
ctatctccat	tttaacttcc	agtcttccag	gtctaagaag	agcctcatct	atcagatctg	2760
gtctattggg	cattccaatg	actaggatgt	tgttttagctg	ctccacgcca	tcaatttttg	2820
acagcaactg	gttgacaaca	gtgtcatgaa	ctcccgctgt	accagccatg	ctccctctct	2880
gcttgccagt	ggcatcaatt	tcatacaaga	tgatgatgtg	caaaccactg	ttagcaccaa	2940
gcctcctttg	ctcctcttca	gcatacagaa	aaagtgttgc	aatgttagcc	tctgattctc	3000
ccacataatt	gttaaggatt	tctggcccat	tgaccacttt	gggctctctt	gcattcaaca	3060
tcttgccaat	ctgtcgagcc	aagagagtct	taccacaacc	tgggggtcca	tataacagga	3120
tgcctttaac	atgtttacaa	cccatctgct	ccacaatctc	tggaggaaat	actcgggaag	3180
caaagtctcg	tcggaaaata	tctgaaaacc	cccttgtcta	gacctcctat	tcccattttt	3240
tcaaagttcc	agtcaggatt	gataattgat	tggcgathtt	ccttggtttt	agctttgcca	3300
ataagattaa	gtgacgaatt	ttctgctttt	tcaaattgaa	cttgactgtt	tccaacaacc	3360
agtcctactt	caatcttctg	ccttttccct	gtcgcaggct	ctcccttcag	gatgctagga	3420
tccatggatt	caatgtcctt	caccagtaag	ccaaaaagct	tttcattgaa	gctaaagaca	3480
agctgttgct	ccactgagta	ggcctgggtg	ttgaattgct	gaataaattc	tgtgtccatc	3540
ttgtcggtgt	cataaggggt	ggagtcaatg	ctttttttct	gcaggaaatc	aatctcgatg	3600

gtcattgtgc	caatacactg	tttggctttg	tcaaattgtat	ataaggagac	ttctattttct	3660
tgcccaatag	aaagcccagc	ccatttttctc	tgaggtaaac	tgaatgcaat	gctccctgga	3720
accaccgatg	gatgtgtctt	cagtgtaaat	gtgtacctgt	gattgggaga	ggtcctcaca	3780
atcacatgct	ggccagactg	gaaatccttt	tcattcacaa	ctgcacaatt	ggttaaagat	3840
aattcatctg	taggacatct	tgccgcttgc	atgctccggc	ccgccatctt	cgcggacacg	3900
tccggctcgg	cggctgcagc	tctgcgctcg	gcaaaacgaa	a		3941

```

<210> 6091
<211> 3670
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (62)...(2131)
<223> similar to gi5139484 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

<400> 6091						
cgggcgcgcg	tcccgtccag	gtccggagta	accgccgcgcg	ccgccgccaa	agctcgccaa	60
catggcggac	ctggaggctg	tgctggccga	tgtcagttac	ctgatggcca	tggagaagag	120
caaggcgacc	ccggccgccc	gcgccagcaa	gaggatcgtc	ctgccggagc	ccagtatccg	180
gagtgtgatg	cagaagtacc	ttgcagagag	aaatgaaata	acctttgaca	agattttcaa	240
tcagaaaatt	ggtttcttgc	tatttaaaga	tttttgtttg	aatgaaatta	atgaagctgt	300
acctcagggtg	aagttttatg	aagagataaa	ggaatatgaa	aaacttgata	atgaggaaga	360
ccgccttttg	agaagtcgag	aaatttatga	tgccctacatc	atgaaggaaac	ttctttcctg	420
ttcacatcct	ttctcaaagc	aagctgtaga	acacgtacaa	agtcattttat	ccaagaaaca	480
agtgacatca	actctttttc	agccatacat	agaagaaatt	tgtgaaagcc	ttcgagggtga	540
cattttttcaa	aaatttatgg	aaagtgacaa	gttcactaga	ttttgtcagt	ggaaaaacgt	600
tgaattaaat	atccatttga	ccatgaatga	gttcagtgtg	cataggatta	ttggacgagg	660
aggattcggg	gaagtttatg	gttgcaggaa	agcagacact	ggaaaaatgt	atgcaatgaa	720
atgcttaaat	aagaagagga	tcaaaatgaa	acaaggagaa	acattagcct	taaatgaaag	780
aatcatgttg	tctcttgtca	gcacaggaga	ctgtcctttc	attgtatgta	tgacctatgc	840
cttccataacc	ccagataaac	tctgcttcat	cctggatctg	atgaacgggg	gcgatttgca	900
ctaccacctt	tcacaacacg	gtgtgtttctc	tgagaaggag	atgcggtttt	atgccactga	960
aatcattctg	ggtctggaac	acatgcacaa	tcggtttgtt	gtctacagag	atttgaagcc	1020
agcaaatatt	ctcttggatg	aacatggaca	cgcaagaata	tccagatctt	ggtcttgccct	1080
gcgatttttc	caaaaagaag	cctcatgcga	gtgttggcac	ccatgggtac	atggctcccg	1140
agggtctgca	gaaggggacg	gcctatgaca	gcagtgccga	ctggttctcc	ctgggctgca	1200
tgcttttcaa	acttctgaga	ggtcacagcc	ctttcagaca	acataaaaacc	aaagacaagc	1260
atgaaattga	ccgaatgaca	ctcaccgtga	atgtggaact	tccagacacc	ttctctcctg	1320
aactgaagtc	ccttttgag	ggcttgcttc	acgagacgt	tagcaagcgg	ctgggctgtc	1380
acggaggcgg	ctcacaggaa	gtaaaagagc	acagcttttt	caaagggtgt	gactggcagc	1440
atgtctactt	acaaaagtac	ccaccaccct	tgattcctcc	ccggggagaa	gtcaatgctg	1500
ctgatgcctt	tgatattggc	tcatattgatg	aagaggatac	caaagggtatt	aagctacttg	1560
attgcgacca	agaactctac	aagaacttcc	ctttggtcac	ctctgaacgc	tggcagcaag	1620
aagtaacgga	aacagtttat	gaagcagtaa	atgcagacac	agataaaaatc	gaggccagga	1680
agagagctaa	aaataagcaa	cttggccacg	aagaagatta	cgctctgggg	aaggactgta	1740
ttatgcacgg	gtacatgctg	aaactgggaa	acccatttct	gactcagtgg	cagcgtcgct	1800
atttttacct	ctttccaaat	agacttgaat	ggagaggaga	gggagagtcc	cggcaaaatt	1860

tactgacaat	ggaacagatt	ctctctgtgg	aagaaactca	aattaaagac	aaaaaatgca	1920
ttttgttcag	aataaaagga	gggaaacaat	ttgtcttgca	atgtgagagt	gatccagagt	1980
ttgtgcagtg	gaagaaagag	ttgaacgaaa	ccttcaagga	ggcccagcgg	ctattgcgtc	2040
gtgccccgaa	gttcctcaac	aaacctcggg	caggtactgt	ggagctccca	aagccatccc	2100
tctgtcacag	aaacagcaac	ggcctctagc	acccagaaac	agggagggtc	ctcgaggagg	2160
acacaccagg	gtctcagcct	tttggggtga	acgaggatga	ggcatctgat	ctattcgcta	2220
ccgggactcc	tccaggctcc	cgagaggagt	cgggaccctt	cggcttgggg	tcagctcagc	2280
tccctgcctt	gtcacatttg	tctgcattag	aaactactga	agaaataaaa	gttctttttc	2340
tttgctacac	actttggtac	ctatgaacct	agaacttgaa	gtgactccta	cttatcacgt	2400
aaatttttat	gtctgatata	aaacacatct	tagactcccc	agaatggaat	ttaaagatgt	2460
tcagtgttgg	gtaacagatt	gccctaagca	ttgccacata	ttctgtctag	tcactgctga	2520
ttttctatgt	ctttgtctca	tactgctggg	ggatgggaga	gccacagtgt	gtttcttttg	2580
tgcacttcgc	aactgacttc	ttgtcctggg	gttaaaagtt	gaagatat	tctgatgata	2640
ttaaaagttg	aagatatatt	tgcacttggg	ccctcctctg	ggagccgtac	ccacatgact	2700
gccctgcctc	tgaccagtct	gttccggggc	cccctcagcc	aggtgggaat	gacggacacg	2760
tactatccaa	gtgtatggga	ttaaactaat	attgaaggca	ttcatccgtc	catcactgga	2820
aagattttaca	gtgattctga	aggacaggcc	gtggagtttt	aggtttcagg	ggcaagagca	2880
gttttcacaaa	gtctttgagt	ccagtgtgca	cgagtcgaca	agcagtacct	ggcatgcagg	2940
agcactcatg	ggtgagtcg	tctcaggtct	cgacaattag	cagttgtgtg	acagtcattc	3000
tggttccttc	tgccgtgacc	tgggagacat	atcagtaatg	gatgtacaaa	agcaggctctg	3060
ttttatgtct	tagtataatt	tcagatgaat	tgtattgaaa	aaatgctgag	gaatgaatgt	3120
gtcaaaatgg	gttaactgtg	tatattgact	ttcatgtcgt	catgcatctg	tcattgaatga	3180
atgatacttt	gcactgggct	gtacgacagt	gaggacccta	gggcatgaag	cctttttcct	3240
gggtccagca	gcatctgccc	tgtgaagt	gttttctccc	actgcctcca	ggccccactg	3300
atacccccaa	atagatgctg	ggttatgaga	accagcgaaa	tcccccatgt	catcagtcct	3360
aaaaaaaaaa	ttttacaaat	ccacgtat	gtcccatctt	tggagtagtt	ttagtgtatg	3420
tctttacatt	aactactaac	agtataaata	acttgacatc	gtaattgtct	gcatcctgtc	3480
cttgatattt	ttagcagttc	caaactcttt	tttttgtatt	tgtttgctgt	gttcatgggc	3540
aaagtaagta	ctttttaatg	cagttatttt	gagagtttgg	aagataatta	ccaaaagggt	3600
ccattatttc	ataagagtta	ctttgcaaaa	aaaaaaaagg	gggggttttt	ttttgggcaa	3660
ttccaccaag						3670

<210> 6092

<211> 2933

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (124)...(1931)

<223> similar to gi3820592 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 6092

cgccgcgtc	gacctctgtc	agaaatgggg	tcggagccat	tcacctgtgt	caagcagtgg	60
aaatgctgtg	ggaagcaaag	tcagcagtcg	aaccttgacg	gaggcagcag	gaggagaaag	120
aacatggcgg	gcgcacaga	gctcgggacc	ggccagggag	cagcgggtgg	agatggagat	180
gattcgctat	acccgatcgc	ggttttaatc	gacgagctcc	gcaatgaaga	cgtgcagctc	240
cgactcaaca	gtattaagaa	gttatcaaca	attgccctag	cacttggagt	agaaaggacc	300
cgaagtgaat	tgttgccatt	tcttacagat	acaatttatg	atgaagatga	ggtactatta	360

gctcttgctg	agcagctggg	aaatttcact	ggcctagtgg	gaggtcctga	ctttgcccac	420
tgtctgctgc	ctccttttga	aaatctggca	actgtggaag	agactgttgt	tcgtgacaag	480
gctgtggagt	ccctgagaca	gatctcccag	gagcatactc	ctgttgctct	ggaagcttat	540
tttgtagctc	tgggtgaaacg	cttagcaagt	ggggatttgt	tcacctctcg	cacatctgca	600
tgtggtttgt	tcagcgtttg	ctatcccagg	gcatcaaatg	ctgttaaagc	agaaatcaga	660
cagcaattcc	gttccttgtg	ctcagatgac	acaccaatgg	tacgacgtgc	tgctgcttcc	720
aaattgggtg	aatttgcaaa	agttttggaa	ttagacagtg	tgaaaagtga	aattgttcca	780
ctgttcacta	gtctagcttc	agatgaacag	gattcagtgc	gcctccttgc	tgtggaagct	840
tgtgtcagta	ttgccagttt	attgtctcag	gatgaccttg	agacttttgt	gatgcctaca	900
cttcgacaag	cagcagaaga	taaatcttgg	cgcgttcgct	atatgggtggc	tgacagatttt	960
tcagagctcc	agaaagccat	gggtcctaaa	atcacccata	atgacctcat	ccccgccttt	1020
cagaacctac	ttaaagactg	tgaagctgaa	gtccgggcag	ctgctgcca	caaagtaaaa	1080
gaacttggtg	agaacttgcc	cattgaagat	agagagacca	taattatgaa	tcaaattctg	1140
ccttatataa	aggaattagt	atccgatacc	aatcaacatg	tcaaatacggc	tctagcttct	1200
gtaattatgg	gattgtctac	tattttgggc	aaagaaaata	ccattgaaca	tcttctacct	1260
cttttcttag	ctcagttaaa	ggatgagtgt	cctgacgttc	gtttgaatat	catctccaat	1320
ttggattgtg	taaatgaagt	gattggaatc	cgtcagctct	ctcagtctct	ccttcctgcc	1380
atagtggagc	tggcagaaga	tgccaaatgg	agggtcggcc	tggccatcat	tgagtatatg	1440
ccgctgctgg	caggccagct	gggtgtggaa	ttctttgatg	aaaagctgaa	ttctttatgt	1500
atggcttggc	tcgtggacca	tgtatacgcc	atccgagaag	ctgccaccaa	caacctcatg	1560
aaactaagtc	cagaagtttg	gtaccagagt	ggtcccaaaa	tactattgtc	cccaaagtgt	1620
tagtaatggc	aatgatcct	aattacttgc	atagaatgac	cactttattc	tgcattaatg	1680
cactgtctga	ggcctgtggt	caggaaataa	ctactaagca	aatgctgccc	atcgtattaa	1740
aaatggcagg	agaccaagta	gcaaatgttc	gcttcaatgt	ggccaaatct	ctacaaaaga	1800
ttggaccaat	tctagatacc	aatgctttac	agggagaagt	gaagccagta	ctacagaagt	1860
taggtcaaga	tgaagacatg	gatgtcaaat	actttgcaca	ggaagctata	agtgttcttg	1920
cattggcata	atgaggagca	ggagggaaaa	ggcctttact	agattccttg	cacaaatttc	1980
tagtcaatgt	gttcttaact	gggtggagaa	agaatggaaa	accttcaaga	tctcatccaa	2040
gcaaattggc	acaacttaga	agaaatcatt	tagtgactta	attctttcta	aagatgaaat	2100
gggattgttt	tttactcgtc	ttccttgtta	aatcattatt	taagccgttc	ttattgacca	2160
attcctgaca	cttgattgtc	tcctaattgct	ttatccatca	ccacctgggc	tcctgcatcc	2220
tcactgtgga	atcaggcacc	agccacataa	tgttcagac	aaagcctgga	aggggtgga	2280
cccagacgtg	gagtggagtg	attctcttga	cgtttacata	tatctctgtg	tctctccatc	2340
attccaaagc	taaatgtaca	tgtttagaat	aacttatatt	ataaactctt	cgggagacat	2400
gttgagattt	gaccgtaatg	aaagccacat	tttctgaat	tatgatggtc	tgcattagtc	2460
tcatgtgaaa	ggggaatgtg	gaagctcagg	gttaatgtag	tggttgtttt	ggtttttatt	2520
tgctcaattt	tgtctgtact	catgtcattc	agaaacctga	agtgtggctg	catcttgctg	2580
ctaattgtgtg	atgttgacgc	ctaactgaat	ttgaacagct	cacctgtg	cctacattta	2640
aaaatacttc	tctctctttt	ctaaaaagct	ttaactgtag	tgctccttaa	taagcagtat	2700
gtttgtttca	ttgtgagatt	gcagttctgt	atttcgaatg	agtctaagaa	ccacagggat	2760
aatactgtgc	agatttctctg	ttctttacct	ggctctgctt	ccagcagtat	tgacacctag	2820
tccttgctgc	attgtacagt	agcttttcaa	actgcagttt	tattgctaag	tttttagtat	2880
gggtgatact	ggagtcttat	catttgaagt	ggttgctttt	ctacttttac	agt	2933

<210> 6093

<211> 3490

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (91)...(2613)

<223> similar to gi388765 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 6093

ggtgggtctg	cacctggatt	ttggagtccc	agtgtctgtg	cagctctgag	cattcccacg	60
tcaccagaga	agccggtggg	caatgagatc	atgtctgtct	tcaggttgtg	gcctggcctg	120
ctgatcatgt	tgggttctct	ctgccataga	ggttcaccgt	gtggcctttc	aacacacgta	180
gaaataggac	acagagctct	ggagtttctt	cagcttcaca	atgggcgtgt	taactacaga	240
gagctgttac	tagaacacca	ggatgcgtat	caggctggaa	tcgtgtttcc	tgattgtttt	300
taccctagca	tctgcaaagg	aggaaaattc	catgatgtgt	ctgagagcac	tcactggact	360
ccgtttctta	atgcaagcgt	tcattatatc	cgagagaact	atcccccttc	ctggggagaa	420
ggacacagag	aaactggtag	ctttcttggt	tggaattact	tctcacatgg	cggcagatgt	480
cagctggcat	agtctggggc	ttgaacaagg	attccttagg	accatgggag	ctattgattt	540
tcacggctcc	tattcagagg	ctcattcggc	tggtgatttt	ggaggagatg	tggtgagcca	600
gtttgaattt	aattttaatt	accttgacag	acgtcggtag	gtgccagtca	aagatctact	660
gggaatttat	gagaaactgt	atggctgaaa	agtcatcacc	gaaaatgtaa	tcgttgattg	720
ttcacatatc	cagttcttag	aaatgtatgg	tgagatgcta	gctgtttcca	agttatatcc	780
cacttactct	acaaagtccc	cgtttttggt	ggaacaattc	caagagtatt	ttcttgaggg	840
actggatgat	atggcatttt	ggtccactaa	tatttaccat	ctaacaatct	tcagtgtgga	900
gaatgggacc	agtgactgca	acctgcctga	gaacctctct	ttcattgcat	gtggcggcca	960
gcaaaaccac	acccagggct	caaaaatgca	gaaaaatgat	ttcacagaa	atttgactac	1020
atccctaact	gaaagtgttg	acaggaatat	aaactatact	gaaagaggag	tggtcttttag	1080
tgtaaattcc	tggaccccg	attccatgtc	ctttatctac	aaggctttgg	aaaggaacat	1140
aaggacaatg	ttcatagggt	gctctcagtt	gtcacaaga	cacgtctcca	gcccccttagc	1200
atcttacttc	ttgtcatttc	cttatgcgag	gcttggtctg	gcaatgacct	cagctgacct	1260
caaccaggat	gggcacggtg	acctcgtggt	gggcgcacca	ggctacagcc	gccccggcca	1320
catccacatc	gggcgcgtgt	acctcatcta	cggcaatgac	ctgggcctgc	cacctgttga	1380
cctggacctg	gacaaggagg	cccacaggat	ccttgaaggc	ttccagccct	caggtcggtt	1440
tggctcggcc	ttgctctgtg	tggaacttaa	cgtggacggc	gtgcctgacc	tggccgtggg	1500
agctccctcg	gtgggctccg	agcagctcac	ctacaagggt	gccgtgtatg	tctactttgg	1560
ttccaaacaa	ggaggaatgt	cttcttcccc	taacatcacc	atttcttgcc	aggacatcta	1620
ctgtaacttg	ggctggactc	tcttggtctg	agatgtgaat	ggagacagtg	aacccgatct	1680
ggtcatcggc	tccccctttg	caccagggtg	agggaagcag	aagggaattg	tggtgcggtt	1740
ttattctggc	cccagcctga	gcgacaaaga	aaaactgaac	gtggaggcag	ccaactggac	1800
ggtgagaggc	gaggaagact	tctcctggtt	tggaatttcc	cttcacggtg	tcactgtgga	1860
caacagaacc	ttgctgttgg	ttgggagccc	gacctggaag	aatgccagca	ggctgggcca	1920
tttgttacac	atccgagatg	agaaaaagag	ccttgggagg	gtgtatggct	acttcccacc	1980
aaacggccaa	agctgggtta	ccatttctgg	agacaaggca	atggggaaac	tgggtacttc	2040
cctttccagt	ggccacgtac	tgatgaatgg	gactctgaaa	caagtgtctg	tgggttgagc	2100
ccctacgtac	gatgacgtgt	ctaagggtgg	attcctgacc	gtgaccttac	accaaggcgg	2160
agccactcgc	atgtacgcac	tcacatctga	cgcacagcct	ctgctgtctc	gcaccttcag	2220
cggagaccgc	cgcttctccc	gatttggtgg	cgttctgcac	ttgagtgacc	tggatgatga	2280
tggcttagat	gaaatcatca	tggcagcccc	cctgaggata	gcagatgtaa	cctctggact	2340
gattggggga	gaagacggcc	gagtatatgt	atataatggc	aaagagacca	cccttgggtga	2400
catgactggc	aaatgcaaat	catggataac	tccatgtcca	gaagaaaagg	cccaatatgt	2460
attgatttct	cctgaagcca	gctcaagggt	tgggagctcc	ctcatcaccc	tgaggtccaa	2520
ggcaaagaac	caagtctgca	ttgctgtggg	aaggagttct	ttgggagccc	gactctccgg	2580
ggcacttcac	gtctatagcc	ttggctcaga	ttgaagattt	cactgcattt	ccccactctg	2640
cccacctctc	tcagtctgaa	tcacatccat	ggtgagcatt	ttgatggaca	aagtggcaca	2700
tccagtggag	cgggtgtaga	tcttgataga	catggggctc	ctgggagtag	agagacacac	2760
taacagccac	accctctgga	aatctgatac	agtaaataata	tgactgcacc	agaaatatgt	2820
gaaatagcag	acattctgct	tactcatgtc	tccttccaca	gtttacttcc	tcgctccctt	2880
tgcatctaaa	cctttcttct	ttcccaactt	attgcctgta	gtcagacctg	ctgtacaacc	2940
tatttctctc	tcctcttgaa	tgtttttcca	gtggctggaa	aggteccctc	gtgggttatct	3000
gttagaacag	tcccctgtac	accaattccc	tcccctaaaa	acatcccttt	tttaaaaaaa	3060

0949373E-013100





ttgatgcatc	tcttccacac	ttgctcccgg	tgatggatga	aggcagttct	tgtgccatgg	1500
tccagccttc	caggggtctt	taggggatcc	tttgtcagtt	gtaggacagg	aagattgatc	1560
cacccagaga	gcacatcttg	ccggttcgca	ggacgtctgc	agtcggcaaa	ctcctggccg	1620
gaacggcaca	gaccgcactc	ccgcaactcg	gttcccgggc	tagattcgta	tgcggaagg	1680
taccgcaagg	gacaaacggc	gaggcggaac	tctctctctc	tcttntntnt	ctctctctcc	1740
tcgtggcgaa	ttcctaaagc	g				1761

```

<210> 6095
<211> 1273
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (250)...(1041)
<223> similar to gil262338 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

<400> 6095						
ccaaagccaa	gatggcaggt	acgtcctttt	agaatttaag	gttagtgaag	ccatctattt	60
ccccgacccc	ccttcagtga	aaatgggtctt	tgcgcatctgg	ctcttctttt	tggaggcgtg	120
cttgccagca	gtcaaaatgg	ctccattccg	gaatagattt	aataggaagt	gaagctgtga	180
cggcgaggcg	ttgcccggcc	tatctttgtc	aggcgttctc	agaattagtt	ctttctgccc	240
acactagaca	tggcgcttgc	cagcgtgttg	gagagaccgc	taccggtgaa	ccagcgcggg	300
tttttcggac	ttgggggtcg	tgcagatctg	ctggatctag	gtccaggagg	tctcagtgat	360
ggtctgagcc	tggccgcgcc	aggctggggg	gtcccagaag	agccagggaat	cgaaatgctt	420
catggaacaa	ccaccctggc	cttcaagttc	cgccatggag	tcatagttgc	agctgactcc	480
agggtacag	cgggtgctta	cattgcctcc	cagacgggtga	agaaggatgat	agagatcaac	540
ccatacctgc	taggcacccat	ggctgggggc	gcagcggatt	gcagcttctg	ggaacggctg	600
ttggctcggc	aatgtcgaat	ctatgagctt	cgaaataagg	aacgcacctc	tgtagcagct	660
gcctccaaac	tgcttgccaa	catggtgtat	cagtacaaag	gcatggggct	gtccatgggc	720
accatgatct	gtggctggga	taagagaggc	cctggcctct	aactacgtgg	acagtgaagg	780
gaaccggatt	tcaggggcca	ccttctctgt	aggttctggc	tctgtgtatg	catatggggg	840
catggatcgg	ggctattcct	atgacctgga	agtggagcag	gcctatgatc	tggcccgtcg	900
agccatctac	caagccacct	acagagatgc	ctactcagga	ggtgcagtca	acctctacca	960
cgtgcgggag	gatggctgga	tccgagtctc	cagtgacaat	gtggctgatc	tacatgagaa	1020
gtatagtggc	tctaccccct	gaaagagggt	ggatgcagct	gcttgtgttt	cttgggggtga	1080
ctgtcattgg	taatacggac	acagtgaccc	atcctccatc	ctatttatag	tgggaaggcc	1140
ttcaattgta	tcagtacttt	tttttaagct	ctggcacatt	gacctctatg	tgttaccagt	1200
cattaatgag	ctgctgcaga	ggtgactatt	tgttttactt	tcttggatgt	taacattaca	1260
ctactcacta	ctc					1273

```

<210> 6096
<211> 5210
<212> DNA
<213> Homo sapiens

```

<220>  
 <221> misc\_feature  
 <222> (1991)...(5117)  
 <223> similar to gi3043678 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 6096

tttttttttt	tttttttttt	tttttttttt	tttttttttt	tttttttttt	tttttttttt	60
tttttttttt	tttaaccgtc	aatctttacc	aatttatatt	atacaaaaca	gtagcaatgt	120
agaatatggg	aatcgtcttc	cgctgccacg	cacgcaagtt	gtgaacattc	caagccaatg	180
tatacaattt	ggaggggaag	gctaaacaat	agcatcaacc	acgctactga	acataggaat	240
ttttcattta	aaaagattaa	aaattagata	gcaatgtctt	cttaatatgt	ctctcgtcac	300
tgaagactga	ggaaaaataa	aaagtgactt	tataagtttt	ttaaaaaaag	aggcaatggg	360
gaaaaaaaca	agaggctgct	acaacactgc	catacagtca	aaccatcata	cttcaatatt	420
tgcatactcg	atagcagcat	tattttttact	gaaccgtgtg	caactacatg	tagaaacaca	480
tcaaagcaaa	atatcatggc	agttatcaat	caagatccaa	aaaggaaaaa	aacaaacaaa	540
aaaataactc	taggatgaac	acactataag	aacatttatg	gagaaagaat	cagtatctac	600
attcttggac	tgttccattc	tgccccaata	aaagtgtcaa	ttcaactgtc	agctgtggat	660
ttttggcgga	tttgagtttt	tccagttctt	atgatactgc	atgcttgga	caaagggggg	720
cataataaat	ccttctacac	aatgaacttc	ataggcagac	agctgaaaat	aaatttacta	780
cttgtaaaca	cacacaaaaa	aaaaatacaa	gattttttgt	atctttaaac	aatcagtgtc	840
tccaaaagcc	cattatcttc	tatatcgacc	tctctcccct	cggtctctgt	ctcgatcaca	900
taatcgctct	ctttctcttt	ctctatcacg	tcctctatct	cgctctctgt	ctcgtctgtt	960
atctctaggg	cggtctcgct	ctcgttcccg	gtctctttca	cggggtctac	ttctccggcc	1020
actgacaaca	gcttggtgtg	gacgaaggaa	atcatccacc	ctcatatcat	aatcatgtac	1080
tcgtttatct	ctgtatcttg	cttcatgtgg	tactggatga	tgtcctgagt	aaggggggat	1140
agcttgagga	ggtggagcat	ggtgctgata	gtaaggatgg	tgtggagggt	gttccattcc	1200
tgggtaaggg	ggcattccct	gccaaagggt	tgggtggccc	atgttatgaa	attccctcac	1260
ataatcattg	taggacccat	ttaaaaacac	atctcggcga	actcctgaaa	atcgtctgtc	1320
cacttcctgg	tatcgtggat	cctttaaata	ccctggtctc	tggtgaaact	caggggggata	1380
gtcaatcctt	ggtttctttc	tgctgttatg	aatatcataa	tcttctggtc	gacgccttcc	1440
cacatcccgg	actggttctc	gacgggatgg	acgtcctcgt	gatcggggct	gagaatgcat	1500
tcttctcttg	tgacgcattt	tatgaatgac	ctgatacaag	tcaatacttt	catcgggggg	1560
aaacagaaga	caaagctggg	ttccacattc	aagttcaatt	tctgtccat	cacgtccgat	1620
ctttactggg	ttatgttcat	tccaaggatt	ggtgagatga	gccgacttag	tgaagggtaa	1680
ttcacgcctg	caaatccagt	caattttaaa	gacacctccc	agcattttag	cactcattcc	1740
tgctggaagc	acccagtgtg	taggagatcc	tccgtgatgt	gattctgaag	aaagtcttgc	1800
aaacccttga	aattttccac	tctctctgac	agaaaatatc	ggacgcgtgg	ggtcgggaaga	1860
tcctagagg	ccaaggtag	ctgacttgcg	aagctgaggc	tccagccgag	ggctccaggc	1920
ctctgaccgg	cccagcagt	agcgcggctg	cccagcgtt	cagggccggg	agcagggagc	1980
gtgagtcgcc	atggcgacgc	cggcggtct	ggagcgtgtg	gttcaggacg	agctgcactc	2040
ggtgttgggg	ctgagcgagc	ggcagctcgc	ccagtttctg	atcggtagcg	cacagcgctg	2100
cacctctgcc	gaggagtctg	tgcagcgctt	acgagacact	gataccttgg	atctcagtgg	2160
gccggcccg	gacttcgccc	tgagactctg	gaacaaggta	ccacgaaagg	cagtggtaga	2220
aaagccagct	cgggcagcag	agcgagaggg	ccggggcccc	gctggagaag	aaccgatctt	2280
ataggttact	ggaagacagt	gaagagagca	gtgaggagac	tgtgagtagg	gctggaagca	2340
gcctccagaa	gaaacgtaaa	aagcggaaac	acctcaggaa	gaagcgtgag	gaagaagagg	2400
aggaagaggc	ttctgagaaa	gggaagaaga	aaacaggggg	gagtaaacag	cagacagaga	2460
agccagagtc	ggaagatgag	tgggaacgga	cagagcgtga	acgccttcag	gacctggagg	2520
agcgtgatgc	ctttgctgag	cgggttcgac	agcgggacaa	ggatcggact	cgaaatgtcc	2580
tggaaacggtc	agacaagaag	gcttatgaag	aggctcagaa	gcgcctcaag	atggccgagg	2640
aagaccggaa	ggccatgggt	cctgagctgc	ggaagaaatc	tcgccgagag	tacctggcta	2700
agcggggagcg	agagaagctt	gaggacctgg	aggcggagct	ggctgatgag	gagttccttt	2760

0949325-013100

ttggggacgt	ggagctgagc	cggcacgagc	ggcaggagct	caaataataag	cggcgagtgc	2820
gggatctcgc	ccgggagtag	cgggcagctg	gggagcagga	gaagctggag	gccaccaatc	2880
gctaccacat	gcccgaaggaa	acccgaggac	agccagcccg	agctgtggat	ctagtggagg	2940
aggaatcagg	agcccctggg	gaggagcagc	ggcgctggga	ggaggcgcg	cttggggcag	3000
cgtccctgaa	gtttggggcc	cgagatgctg	cctctcagga	gcccgaagtat	caactgggtgc	3060
tggaggagga	ggagaccatt	gagtttgtcc	gggccactca	gctccagggg	gatgaggagc	3120
cgtcagctcc	accactttca	actcaggccc	agcagaaaga	gtccatccag	gccgtccgcc	3180
gcagcctccc	ggtgttccca	tttcgagagg	agctcctggc	tgctattgca	aatcaccaag	3240
tcctcatcat	tgaaggcgag	acaggctcag	ggaagaccac	ccagatcccc	cagtatctct	3300
ttgaggaggg	ttatacaaac	aagggtatga	agattgcctg	cacccaaccc	cggagagtgg	3360
ctgccatgag	tgtggccgcc	cgagtggccc	gggagatggg	tgtgaagctt	gggaatgagg	3420
ttggctacag	catccgcttt	gaggactgca	catcagagcg	aactgtcctc	cgctacatga	3480
cagatgggat	gcttctccgg	gagttcctct	ctgagcctga	cctggcgagt	tacagcgtgg	3540
tgatgggtgga	tgaggcacac	gaaaggaccc	tacacacaga	cattctcttt	ggattgatca	3600
aggatgttgc	tcgcttccga	cctgagctca	aggctcctgg	ggcttcagcc	acaatggaca	3660
ctgcccgttt	ttccaccttc	tttgatgacg	cccctgtgtt	tcgaatcccc	ggacgcagggt	3720
ttcctgtgga	catcttctac	accaaggctc	cagaggctga	ctacttgga	gcttgtgtag	3780
tatctgtgtt	gcagatccat	gtgaccacgc	cccctgggga	tatcctgggtg	ttcctgacag	3840
gacaggagga	gattgaggct	gcctgtgaga	tgctccagga	tcgctgccgc	cgctgggct	3900
ccaaaatccg	ggagctcctg	gtgctgcca	tttatgccaa	tctgccctct	gacatgcagg	3960
cccgtatctt	ccagcccaca	ccacctgggg	cacgaaaggt	ggttgtggca	acgaacattg	4020
ctgagacatc	actcaccatt	gagggcatca	tttatgtgct	ggatccaggg	ttctgtaagc	4080
agaagagcta	caacccccgc	acaggcatgg	aatcgctcac	tgtcacaccc	tgacgaagg	4140
cctcagccaa	tcagcgagct	ggcagggcag	gtcgggtggc	tgacgggaag	tgcttccgcc	4200
tgtataccgc	ctgggcctat	cagcacgagc	ttgaggaaac	cacagtgcct	gagatccaga	4260
ggaccagctt	gggcaatgtc	gtgttgctgc	tcaagagctt	agggatccat	gacctaatgc	4320
actttgattt	cctggaccct	ccaccatatg	agacactgct	gctggctttg	gagcagctgt	4380
atgctctggg	agccctcaac	caccttgggg	agctcaccac	gtctgggtcg	aagatggcag	4440
agctgccggg	ggacccccatg	ctgtccaaaa	tgatcttagc	ctctgagaag	tacagctgtt	4500
cagaggagat	cctgacagtg	gctgccatgc	tctctgtcaa	caactccatc	ttctaccgac	4560
caaaggacaa	ggtcgctccat	gctgacaatg	cccggtgtcaa	cttctttctc	cctggcggtg	4620
accacctggt	tctgctaaat	gtttacacac	agtgggctga	gagtgggttac	tcttccaggt	4680
ggtgctatga	gaacttttga	cagttcagat	cgatgcgcgc	agcccgggat	gtgcgggaac	4740
agctggaagg	gctcttgga	cgtgtggaag	ttggtctcag	ttcctgccag	ggggactata	4800
tcctgttacg	caaggccatc	actgctgggt	actttttacca	cacggcacgg	ttgactcgga	4860
gtggctaccg	cacagtgaac	cagcagcaga	cagtcttcat	tcaccccaac	tcctccctct	4920
ttgagcaaca	gccacgctgg	ctgctctacc	acgaacttgt	cttgaccacc	aaagagttca	4980
tgagacaggt	actggagatt	gagagcagtt	ggcttctgga	ggtggctccc	cattattata	5040
aggccaagga	gctagaagat	ccccatgcta	agaaaatgcc	caaaaaaata	ggcaaaacac	5100
gagaagagct	agggttaagag	aaggacgtaa	acagaacctg	acaccagctc	cttttccttc	5160
tatacattat	ttaataccta	ttaaataaaa	ttatttttgg	aaaaaaaaaa		5210

<210> 6097

<211> 668

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (107)...(589)

<223> similar to gi563324 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

```

<400> 6097
cggcacgagc ggcacgaggg attgttgtgt ccactaaccg gactcagaag ggacttccct    60
gctcggctgg ctttcggttt ctctgctcac ctccggataa atcacggggg ctcccgcgcc    120
gctcatggcg cctcccgtcc gtctcgagcg tccctttcct tcccggcgct ttcctggggt    180
gcttctggcg gccctgggtg tgctgctgtc ctcttctctc gatcaatgca atgtcccgga    240
atggcttcca ttgcccaggc ctaccaacct aactgatgac ttgagtttc ccattggggac    300
atatctgaac tatgaatgcc gccctggtta ttccggaaga ccgttttcta tcatctgcct    360
aaaaaactca gtctggacaa gtgctaagga caagtgcaaa cgtaaatacat gtcgtaatcc    420
tccagatcct gtgaatggca tggcacatgt gatcaaagac atccagttcg gatcccaaata    480
taaataattct tgtcctaaag gataccgact cattgggttcc tcgtctgcca catgcatcat    540
ctcaggcaac actgtcattt gggataataa aacacctgtt tgtgacagtg agttgaaata    600
tgcatctcta tttcttaaaa agatacatc taatttttct ctggaataat aaaaatcttt    660
tttcgaaa                                         668

```

```

<210> 6098
<211> 6730
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (369)...(6289)
<223> similar to gi36124 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 6098
tttcgtgaag aaggcggctc ccggaagggg gagagacaaa ctgccgtaac ctctgccgtt    60
caggaaccgc gttacttatt tattcggttac cctttttctt cttcctcccc caaaaacctt    120
ttccttttcc cttctttttt tttccttttt gggagctgaa aaatttccgg taagggaag    180
aagggtcctt ttcgctcctt atttccccgc ctcttccct tccccacctt cccctcctcc    240
ggctttttcc tcccaactcg gggaggtcct tcccggtggc cgccctgacg aggtctgagc    300
acctaggcgg aggcggcgca ggctttttgt agtgagggtt gcgcctgcgc agcgcgcctg    360
cctccgccat gcacgggggt ggccccccct cgggggacag cgcatgcccg ctgcgcacca    420
tcaagagagt ccagttcgga gtctgagtc cggatgaact gaagcgaatg tctgtgacgg    480
aggggtggcat caaataccca gagacgactg agggaggccg cccaagcctt ggggggctga    540
tggaccggag gcaggggggt attgagcgga ctggccgctg ccaaacatgt gcaggaaaca    600
tgacagagtg tcttgccac tttggccaca ttgaactggc caagcctgtg tttcacgtgg    660
gcttcctggt gaagacaatg aaagttttgc gctgtgtctg cttcttctgc tccaaactgc    720
ttgtggactc taacaacca aagatcaagg atatcctggc taagtccaag ggacagcca    780
agaagcggct cacacatgtc tacgaccttt gcaagggcaa aaacatatgc gagggtgagg    840
aggagatgga caacaagttc ggtgtggaac aacctgaggg tgacgaggat ctgaccaaag    900
aaaagggcca tgggtgctgt gggcggtacc agccaggat ccggcggttct ggcctagagc    960
tgtatgcgga atggaagcac gttaatgagg actctcagga gaagaagatc ctgctgagtc   1020
cagagcgagt gcatgagatc ttcaaacgca tctcagatga ggagtgtttt gtgctgggca   1080
tggagccccg ctatgcacgg ccagagtgga tgattgtcac agtgctgcct gtgccccgc    1140
tctccgtgcg gcctgctgtt gtgatgcagg gctctgcccg taaccaggat gacctgactc   1200
acaaactggc tgacatcgtg aagatcaaca atcagctgcg gcgcaatgag cagaacggcg    1260

```

cagcggccca	tgtcattgca	gaggatgtga	agctcctcca	gttccatgtg	gccaccatgg	1320
tggaacaacga	gctgcctggc	ttgccccgtg	ccatgcagaa	gtctggggcgt	cccctcaagt	1380
ccctaaagca	gtggttaaag	ggcaagggaag	gccgggtgcg	agggaaacttg	atgggcaaaa	1440
gagtggactt	ctcgggccgc	actgtcatca	ccgccgaccc	caacctctcc	attgaccagg	1500
ttggcgtgcc	ccgctccatt	gctgccaaca	tgacctttgc	ggagattgtc	acccccctca	1560
acattgacag	acttcaagaa	ctagtgcgca	gggggaacag	ccagtaccca	ggcgccaagt	1620
acatcatccg	agacaatggg	gatcgcatgt	acttgcggtt	ccaccccaag	cccagtgacc	1680
ttcacctgca	gaccggctat	aagggtgaaac	ggcacatgtg	tgatgggggac	attgttatct	1740
tcaaccggca	gccaactctg	cacaaaatgt	ccatgatggg	gcatcgggtc	cgcattctcc	1800
catggtctac	ctttcgcttg	aatcttagcg	tgacaactcc	gtacaatgca	gactttgacg	1860
gggatgagat	gaacttgcac	ctgccacagt	ctctggagac	gcgagcagag	atccaggagc	1920
tggccatggg	tcctcgcatg	attgtcaccc	cccagagcaa	tcggcctgtc	atgggtattg	1980
tgacggacac	actcacagca	gtgcgcaaat	tcaccaagag	agacgtcttc	ctggagcggg	2040
gtgaagtgat	gaacctcctg	atgttcctgt	cgacgtggga	tggaagggtc	ccacagccgg	2100
ccatcctaaa	gccccggccc	ctgtggacag	gcaagcaaat	cttctccctc	atcatacctg	2160
gtcacatcaa	ttgtatccgt	accacacagca	ccatcccga	tgatgaagac	agtggccctt	2220
acaagcacat	ctctcctggg	gacaccaagg	tggtgggtgga	gaatgggggag	ctgatcatgg	2280
gcatcctgtg	taagaagtct	ctgggcacgt	cagctggctc	cctgggtccac	atctcctacc	2340
tagagatggg	tcatgacatc	actcgctctc	tctactccaa	cattcagact	gtcattaaca	2400
actggctcct	catcgagggt	catactattg	gcattggggg	ctccattgct	gattctaaga	2460
cttaccagga	cattcagaac	actattaaga	aggccaagca	ggacgtaata	gaggtcatcg	2520
agaaggcaca	caacaatgag	ctggagccca	cccaggga	cactctgcgg	cagacgtttg	2580
agaatcagggt	gaaccgcatt	cttaacgatg	cccagagcaa	gactggctcc	tctgctcaga	2640
aatccctgtc	tgaatacaac	aacttcaagt	ctatggtcgt	gtccggagct	aaaggttcca	2700
agattaacat	ctcccagggtc	attgctgtcg	ttggacagca	gaacgtcgag	ggcaagcgga	2760
ttccattttg	cttcaagcac	cggactctgc	ctcacttcat	caaggatgac	tacgggcctg	2820
agagccgtgg	ctttgtggag	aactcctacc	tagccggcct	cacacccact	gagttctttt	2880
tccacgccat	gggggggtcgt	gaggggctca	ttgacacggc	tgtcaagact	gctgagactg	2940
gatacatcca	gcggcggtcg	atcaagtcca	tggagtca	gatggtgaag	tacgacgcga	3000
ctgtgcggaa	ctccatccac	caggtgggtg	agctgcgcta	cggcgaagac	ggcctggcag	3060
gcgagagcgt	tgagttccag	aacctggcta	cgcttaagcc	ttccaacaag	gcttttgaga	3120
agaagttccg	ctttgattat	accaatgaga	gggcccctgc	gcgcactctg	caggaggacc	3180
tggtgaaggga	cgtgctgagc	aacgcacaca	tccaaaacga	gttgagcg	gaatttgagc	3240
ggatgcggga	ggatcgggag	gtgctcaggg	tcactctccc	aactggagac	agcaaggtcg	3300
tcctcccctg	taacctgctg	cggatgatct	ggaatgctca	gaaaatcttc	cacatcaacc	3360
cacgccttcc	ctccgacctg	caccccatca	aagtgggtgga	gggagtcaag	gaattgagca	3420
agaagctggg	gattgtgaat	ggggatgacc	cactaagtcg	acaggcccag	gaaaatgccca	3480
cgctgctctt	caacatccac	ctgcgggtcca	cgttgtgttc	cccgcgcac	ggcagaggag	3540
tggtcggctc	agtggggagg	ccttcgactg	gctgcttggg	gagattgagt	ccaagttcaa	3600
ccaagccatt	gcgcacccc	gggaaatggg	gggggctctg	gctgcgcagt	cccttgagga	3660
acctgccacc	cagatgacct	tgaatacctt	ccactatgct	ggtgtgtctg	ccaagaatgt	3720
gacgtcgggt	gtgccccgac	ttaaggagct	catcaacatt	tccaagaagc	caaagactcc	3780
ttcgttact	gtcttccctg	tgggccagtc	cgctcgagat	gctgagagag	ccaaggatat	3840
tctgtgccgt	ctggagcata	caacgttgag	gaagggtgact	gccaacacag	ccatctacta	3900
tgaccccaac	ccccagagca	cgggtgggtg	agaggatcag	gaatgggtga	atgtctacta	3960
tgaaatgcct	gactttgatg	tggcccgaat	ctccccctgg	ctggtgcggg	tggagctgga	4020
tcggaagcac	atgactgacc	ggaagctcac	catggagcag	attgctgaaa	agatcaatgc	4080
tggttttggg	gacgacttga	actgcactct	taatgatgac	aatgcagaga	agctggtgct	4140
ccgtattcgc	atcatgaaca	gcgatgagaa	caagatgcaa	gaggaggaag	aggtgggtgga	4200
caagatggat	gatgatgtct	tcctgcgctg	catcgagtcc	aacatgtgca	cagatatgac	4260
cctgcagggc	atcgagcaga	tcagcaagggt	gtacatgcac	ttgccacaga	cagacaacaa	4320
gaagaagatc	atcatcacgg	aggatgggga	attcaaggcc	ctgcaggagt	ggatcctgga	4380
gacggacggc	gtgagcttga	tgcgggtgct	gagtgagaag	gacgtggacc	ccgtacgcac	4440
cacgtccaat	gacattgtgg	agatcttcac	ggtgctgggc	attgaagccg	tgcggaaggc	4500
cctggagcgg	gagctgtacc	acgtcatctc	ctttgatggc	tcctatgtca	attaccgaca	4560
cttggctctc	ttgtgtgata	ccatgacctg	tcgtggccac	ttgatggcca	tcacccgaca	4620
cggagtcaac	cgccaggaca	caggaccact	catgaagtgt	tcctttgagg	aaacggtgga	4680

cgctgcttatg	gaagcagccg	cacacggtga	gagtgacccc	atgaaggggg	tctctgagaa	4740
tatcatgctg	ggccagctgg	ctccggccgg	cactggctgc	tttgacctcc	tgcttgatgc	4800
agagaagtgc	aagtatggca	tggagatccc	caccaatatc	cccggcctgg	gggctgctgg	4860
accacccggc	atgttctttg	gttcagcacc	cagtgccatg	ggtggaatct	ctcctgccat	4920
gacaccttgg	aaccagggtg	caacccctgc	ctatggcgcc	tgggtcccca	gtgttgggag	4980
tggaatgacc	ccaggggcag	ccggcttctc	tcccagtgct	gcgtcagatg	ccagcggctt	5040
cagcccaggt	tactcccctg	cctgggtctcc	cacacccggg	ctccccgggg	gtccccaggt	5100
tccctcaagc	ccctacatcc	cttcaccagg	tggcgccatg	tctcccagct	actcgccaac	5160
gtcacctgcc	ttacgagccc	cgctctcctg	ggggctacac	accccagagt	ccctcttatt	5220
cccccacttc	accctcctac	tcccctacct	ctccatccta	ttctccaacc	agtcccaact	5280
atagtcccac	atcacccagc	tattcgccaa	cgtaacccag	ctactcaccg	acctctccca	5340
gtacttcacc	caacctctcc	agctactcgc	ccacctctcc	cagctactcg	cccacctctc	5400
ccagctactc	acccactctc	ctagctact	cgcccacttc	ccctagctac	tcgccaacgt	5460
ctcccagcta	ctcgccgaca	tctccagct	actcgccaac	ttcaccagc	tatttctcca	5520
cttctccag	ctactcacct	acctctccaa	cctactcgcc	cacctcccc	agctactcac	5580
ccacttcccc	aagttactca	cccaccagcc	cgaactattc	tccaaccagt	cccaattaca	5640
ccccaacatc	accagctac	agcccgacat	caccagcta	ttcccctact	agtcccaact	5700
acacacctac	cagccctaac	tacagcccaa	cctctccaag	ctactctcca	acatcaccca	5760
gctattcccc	gacctcacca	agttactccc	cttcagcccc	acgatacaca	ccacagtctc	5820
caacctatac	cccaagctca	cccagctaca	gccccagctc	gcccagctac	agcccaacct	5880
cacccaagta	cacccccaacc	agtccttctt	acagtcccag	ctccccagag	tataccccaa	5940
cctctcccaa	gtactcacct	accagtccca	aatattcacc	cacctctccc	aagtactcgc	6000
ctaccagtcc	cacctattca	cccaccaccc	caaaatactc	ccaacatct	cctacttatt	6060
ccccaaactc	tccagtctac	acccaacct	ctcccaagta	ctcacctact	agccccactt	6120
actcgcccac	ttcccccaag	tactcgccca	ccagccccac	ctactcgccc	acctcccca	6180
aaggctcaac	ctactctccc	acttcccctg	gttactcgcc	caccagcccc	acctacagtc	6240
tcacaagccc	ggctatcagc	ccggatgaca	gtgacgagga	gaactgaggg	cacgtgggg	6300
gcggcagcgg	gctagggccc	agggcagctt	gcccgtgctg	ctgtgcagtt	cttgccctccc	6360
tcacggggcg	tcacccccag	cccagctccg	ttgtacataa	atgccttgtg	gcagagctcc	6420
cggtgaactt	ctggatcccg	tttctgatgc	agactcttgt	cttgttctcc	acttgtgctg	6480
ttagaactca	ctggcccagt	ggtgttctca	ctcctacccc	acccaccccc	tgctgtctcc	6540
caaatggaag	atccttccct	gcctgtggct	tgatgcgggg	cgggtaaaag	gtattttaac	6600
ttaggggtag	ttcctgtgtg	gagtgtgtac	agctgatcct	cgggaagaac	aaagctaaag	6660
ctgccttttg	tctgtttatt	tatttttttg	aagttttaaat	aaagtttact	aattttgacc	6720
aaaaaaaaaa						6730

```
<210> 6099
<211> 1240
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> (456)...(746)
<223> similar to gi3242079 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```

<400> 6099  
ctgatttagt atgctaaca cacgttggca cagctccaca agtgtaaagg ccgtgtatgt 60  
cctgtttgcc actctgtctc caaggcctag cacaatagga actaacagag agtgggaact 120

cagtaaata	ttgttgagca	aatccatgta	ttcaaactgg	gtaactctct	ttgtctgaag	180
catgaattgg	aagggttaata	tgcttgtttc	tctttctttt	acagttgtca	aattttaaag	240
ttttgaatca	ctccccaatg	tctgatgcct	ctgtcaattt	tgactacaaa	tctccatccc	300
catttgactg	cagcactgat	caagaagaga	aaattgaaga	tggttgctagt	cactgtctgc	360
ctcagaagga	cctgtatact	gctgaagagg	aagctgctac	cctttttcct	aggaaaatga	420
catcccataa	tgggatggag	gacagtggag	gaggaggtac	tggagtgaag	aagaaacgga	480
agaaaaagga	gccaggagag	caagaggggtg	cagcaaaggg	aagcaaggac	agagagccca	540
agccaaagag	gaaacgagaa	ccgaaagagc	caaaggaacc	cagaaaggcc	aaggagccga	600
agaaggccaa	ggagcacaag	gagccgaagc	aaaaagatgg	ggcaaagaag	gcacggaagc	660
cccgggaggc	ctcgggcacc	aaggaggcca	aagagaagag	gagctgcact	gactctgcag	720
ccaggacgaa	ttccaggaag	gccaatatgg	agcaaggacc	aaccctgtg	gataaaaaaga	780
agaatggaat	aaggaaaagt	gaaactactg	aggagagttt	atagctggat	cagggtctga	840
cgaacccatc	tttgcggagt	cctgaggagt	ccactgagtc	tacagacagc	cagaaacgac	900
gctcgggaag	gcaagttaaag	cgcaaaaaat	acaatgagga	cctggacttc	aaagtgggtg	960
atgatgatgg	ggaaacaatt	gctgttcttg	gagctggtcg	aacatctgca	ctctcagcct	1020
ctacactggc	ctggcaggcg	gaggagcctc	cagaagatga	tgccaacatc	attgagaaga	1080
tcttggcatc	taagactgtc	caggagggtc	ccccaggaga	ccccccgttc	gacttggagc	1140
tgttttacgt	taagtataaa	aatttgtacg	tctattttaa	ggattctctg	gatttgggtt	1200
ttatatgaat	aaaacttttt	ttctcttgtg	aaaaaaaaaa			1240

<210> 6100  
 <211> 7431  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <221> misc\_feature  
 <222> (392)...(5946)  
 <223> similar to gi5456754 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 6100	
gcggtgcctc	tgagagccgc
gccggcgctc	ctcaccgcca
gacccccggg	ccaggagaag
tgggggcggc	gaggacctcg
cccttctctga	tcttgccgct
tttctctctt	ctcttccctc
cggacgagcc	gccgctcctt
gttccctgacc	cggtctcttg
ctcccagctg	cgcaaaagct
acagagtctc	cctcatggag
aaagacaaat	tttattgaag
caaatgtcct	cgcatagtta
gcacttgact	ggcaatgtc
tattgaacca	atatgtggct
gataataaag	gctttactta
tgtactgcaa	gctgtgagaa
tcagacaaca	gccaagcta
aaaccaagca	ttacaggaag
cgccacctcg	tccctcagtt
agtgacgagt	gagaggggag
acggcgggcg	ccctccgagg
ccgacaccgc	ggctgggtccc
cctccaatcc	cccacctcca
agccgctggg	agccgcgggt
gggaagaaga	cgaagaacat
gaagtgaaga	aggcgcatca
ataaaagcgg	aaactgaaaa
acccttccac	cagtgaatac
tttgagttgg	catgccagtc
cagaaactta	ttgcttatgg
aaaaaattaa	ttgatagaat
gatgaaggag	ttcagctgca
atagaaattc	atgaaggagc
gcaagcaaaa	atctcatcaa
ggtatctttg	cacgcatgga
aggcatcggc	agcatcatca

tctgttaccg	tctccagtaa	gccatcacga	gcctgaatca	cctcaactta	gatatttgcc	1140
acctcagact	gttgatcata	tatcccaaga	acacgaaggg	gaccttgacc	tccatacaaa	1200
tgatgtagat	aaaagtcttc	aggatgacac	agagcctgaa	aatggatctg	atatttccag	1260
tgcagaaaat	gaacagactg	aagctgatca	ggcaactgca	gctgaaacat	tatctaaaaa	1320
tgaagtgtta	tatgacggag	aaaaccatga	ttgtgaggaa	aagccacaag	acattgtaca	1380
gaacattgta	gaagaaatgg	tgaacattgt	tggttgagat	atgggagaag	ggactactat	1440
aaatgcaagt	gcagatggca	acattggaac	tatagaggat	ggtagtgaca	gtgaaaatat	1500
tcaagcaaat	ggaattccag	gaacaccaat	ttctgttgca	tatacaccat	ccttacctga	1560
tgatagattg	tcagtctctt	ccaatgatac	tcaggaatct	ggaaattctt	caggaccttc	1620
acctggtgct	aagttttccc	acattttaca	aaaggatgcc	tttctagtat	tcaggtcatt	1680
gtgtaaacatg	tcaatgaaac	cactgtcaga	tggaccacca	gatccaaagt	ctcatgaact	1740
acgatccaag	attctttcat	tgcagttact	tctatccatt	ctgcagaatg	caggacctat	1800
tttcaggaca	aatgagatgt	ttattaatgc	tattaagcag	tatctttgtg	ttgcactctc	1860
aaaaaatgga	gtctcatctg	ttccagaggt	ttttgagctt	tctctttcta	tatttcttac	1920
tttgttgtca	aattttcaaga	cacatctgaa	gatgcaaatt	gaggtgttct	ttaaagaaat	1980
tttcttatac	atttttgaaa	cttctaccag	ctcattttgat	cacaaatgga	tggttattca	2040
gacactgacg	aggattttgtg	cagatgctca	gagtgtagt	gatatttatg	taaactatga	2100
ctgtgactta	aatgcagcca	atataattga	aagactagta	aatgatctat	caaaaattgc	2160
tcaaggaagg	ggcagtcaag	aacttggtat	gagtaatgtt	caggaattga	gcctgaggaa	2220
aaaaggttta	gaatgcttag	tgtcgatttt	gaagtgtatg	gttgaatgga	gtaaggatca	2280
gtatgtgaat	cccaactccc	agacaactct	tggtcaggaa	aaaccctcag	agcaagagat	2340
gagtgaaatc	aaacaccctg	agacaataaa	cagatacggg	agtttaaatt	ccctggagtc	2400
aacatcatca	tcaggaatag	gcagctacag	tacacagatg	tctggcactg	ataatccaga	2460
acaatttgag	gtcctaaagc	aacaaaaaaa	aataatagaa	caagggatag	atttatttaa	2520
taagaaacca	aagagaggaa	tacagtacct	ccaagaacaa	gggatgcttg	gcaccacacc	2580
tgaagatatt	gcccattctt	tacatcaaga	ggaaagatta	gactctactc	aagtgggtga	2640
ggttcccggg	gggataatgg	ataaatttta	ccaaagaagt	catgtatgca	tatgtggacc	2700
aacatgactt	ttcaggaaaa	gacttcgttt	cagcccttcg	tatgtttcta	gaaggatttc	2760
gtcttccag	ggaagctcag	aaaatcgatc	gattaatgga	aaaatttgct	gcaagatacc	2820
tagaatgcaa	ccaaggacaa	actctctttg	ctagtgcgga	tacagcttat	gttttggtct	2880
attcaattat	catgttgacc	acagaccttc	acagtccaca	ggtgaaaaat	aaaatgacaa	2940
aggaacaata	cattaagatg	aatagaggta	tcaatgacag	taaagacctt	cctgaagagt	3000
atctatcagc	catctataat	gaaatagctg	ggaaaaagat	atcaatgaaa	gaaacaaaag	3060
aactaacaat	ccctacaaaa	tcaagtaaac	agaatgtagc	cagtgaaaaa	caaagaagac	3120
ttctgtataa	cttagaaatg	gagcagatgg	ccaagacagc	taaagcactc	atggaggccg	3180
tgagccatgt	tcaggcaccc	tttacaagt	caacacattt	ggagcatgtg	aggcccatgt	3240
ttaagttggc	ttggacgcct	tttctggctg	cattcagtg	gggtctacaa	gattgtgatg	3300
atactgaagt	agcctctctt	tgcctggaag	gtataagatg	tgcaatcaga	attgcatgca	3360
ttttcagcat	tcagctggag	agagatgcat	atgtccaggc	actagcaaga	tttaccttac	3420
tcacagttag	ttccggtatt	actgaaatga	aacagaagaa	cattgacaca	ataaaaaacac	3480
ttatcacagt	ggctcataca	gatggaaatt	atttaggaaa	ttcatggcat	gagattctga	3540
agtgcacatg	tcagttggag	ctggcacagc	ttataggaac	tggagtgaaa	cctcgataca	3600
tttctggaac	agtgcgaggc	agagaaggat	ctcttactgg	aacaaaagat	caggctcctg	3660
atgaatttgt	gggtttagg	ctagttggag	gaaatgtgga	ctggaaacag	atagcaagta	3720
ttcaggaatc	cattggagaa	accagttctc	agagtgttgt	tggtgctgta	gatagaatat	3780
tcacaggatc	tacaaggcta	gatggaaatg	ccattgtgga	ttttgtccgt	tggtctctgtg	3840
ctgtgtctat	ggatgaatta	ctttccacga	cacacccaag	aatgtttagt	ctacaaaaaa	3900
tagtagaaat	atcatattac	aacatgggaa	gaataagatt	acagtgggtct	cgaatttggg	3960
aagttattgg	agatcatttt	aataagggtg	ggtgtaatcc	taatgaagat	gtagctattt	4020
ttgcagtaga	ctccttgagg	cagttgtcaa	tgaagttctt	agagaaagg	gagcttgcta	4080
acttcagatt	ccagaaggat	ttcttaagac	cttttgaaca	tataatgaaa	cggaacaggt	4140
ctccaacaat	tcgagatatg	gttgtacgg	gtatagcaca	gatggttaat	tctcaagctg	4200
ctaacattcg	atctggatgg	aagaacattt	tctctgtatt	tcatctagct	gcatctgatc	4260
aagatgaaag	catagtggaa	cttgcatctc	aaacaaccgg	gcacattgtc	acccttgat	4320
ttgaaaaaca	ctttccagcg	accattgatt	ctttccagga	tgcagtgaag	tggttgctgtg	4380
aatttgctgtg	caatgcagct	ttcccagaca	caagtatgga	agcaattcga	cttattcgcc	4440
attgtgcaaa	atatgtgtct	gatagacctc	aggctttcaa	ggaatacaca	agcgatgata	4500



tgaacgtagc	acctgaagac	aggggtgtggg	tgagaggatg	gttcccaatt	ctcttttgagt	4560
tatcctgtat	catcaataga	tgcaaattag	atgtaagaac	caggggttta	acagtaatgt	4620
ttgaaataat	gaaaacatat	ggccacactt	atgagaaaaca	ctggtggcag	gattttattta	4680
gaattgtttt	cagaatcttt	gacaatatga	aattgccaga	acaacagaca	gagaaaagctg	4740
aatggatgac	aacaacttgc	aatcatgcac	tttatgcaat	ctgtgatgta	ttcactcagt	4800
atttagaagt	actcagtgat	gtacttttgg	atgacatttt	tgctcagctc	tactgggtgtg	4860
tgacagcaaga	caatgagcag	ttagcgcgat	ctggtacaaa	ctgttttagag	aatgttggtta	4920
ttctgaatgg	tgaaaaatth	accctagaaa	tctgggataa	aacttgcaac	tgcacactgg	4980
atatcttcaa	aaccacaatc	ccacatgcgc	tggtgacctg	gcgacccaat	tctggagaaa	5040
ctgccccccc	acctccatct	cctgtaagt	aaaagccatt	ggatacaata	tcacagaagt	5100
ctgtagatat	tcatgattct	attcaaccaa	ggctctgtga	taacagacca	caagcaccac	5160
tggtttctgc	gtctgctgtt	aatgaagaag	tcagcaaaat	taaatctaca	gcaaaatttc	5220
cagaacaaaa	attgtttgct	gccctgttga	ttaaatgtgt	tgtgcagctg	gaactcatcc	5280
agactatcga	caacattgtc	ttcttcccag	ccacaagtaa	gaaagaagat	gcagaaaact	5340
tagctgcagc	acagagagat	gcggtggact	ttgatgttcg	cgttgatact	caagaccaag	5400
gaatgtaccg	cttttttaaca	tcacaacaac	tttttaagct	actggactgc	ttattagagt	5460
cacatagatt	tgcaaaagcg	tttaattcca	acaacgaaca	gaggactgcc	ctgtggaaaag	5520
caggattcaa	aggcaaattc	aagcccaacc	ttctgaagca	ggagaccagc	agcctggcct	5580
gtgggctgcg	cattctcttc	cggatgtaca	tgatgagag	ccgcgttagt	gcctgggagg	5640
aggtccagca	gaggcttttg	aatgtctgca	gtgaagcact	aagttacttc	ctcactctaa	5700
catcagaaag	tcatcgagaa	gcctggacta	acttactgct	tttgtttcta	actaaagttc	5760
taaagataag	tgataatagg	tttaaagctc	atgcatcatt	ctactaccct	ctcttatgtg	5820
aaattatgca	atttgacttg	attcctgaac	ttcgtgctgt	tcttagaaga	ttttttctgc	5880
gaatcggagt	agtttttcag	atatcacaac	cacctgaaca	ggaacttgga	ataaacaagc	5940
aatgatggga	acttaatat	tttgtttggc	tttacctccc	tctgctcttt	aaaaggacgc	6000
tgagagctgag	gtttcctacc	tgaaaaatga	tttctctgga	ttgcagtgtc	tgagttactg	6060
gtaaagatgc	ttagaagtct	tactcaaact	tgcaacactc	cagtcccttt	tagtgctggt	6120
ggattttgtg	tgttatatth	gcctcatgth	gagcagaaaag	cctgttttaa	cagtgtcagc	6180
tcatgctcac	gggtccttcc	ctgtcttcca	cggcaggaaa	agccccacgt	ttttggcagg	6240
tgtggaagt	aaacttaccc	aaagaactat	agatgtaaag	attgaacttc	tacaagaagt	6300
acaactcagg	agatgctgat	tttgaaggat	aaaatgttta	taattgggga	gtggggagag	6360
aagaagaaat	tattgttcat	ggtaaaagat	atttagcaac	tatggtattc	ttattctgaa	6420
gattttttgca	cactcaggct	atctgagata	ctggtaatca	tcctgtgaaa	aatgtacaga	6480
gatgcaggtc	tgtaatatata	aaatcttaaa	acattatata	gttcttcctg	cactgttttc	6540
tttattttct	tattcatthg	ctaaataccc	ataatattht	gtcaaattgca	ctaaacattt	6600
gggtggaact	ttctttttta	ttttataggg	atttttagth	ttgccctttt	tggtagggtg	6660
tgattttgag	gctgtaacat	gcccagaagc	tggtgtggcc	gacacttcaa	caatagggaa	6720
aaaaaggtag	aaaatatccc	tactgacagt	aactacctgt	cacatatthc	tcttaggact	6780
tttaaagatg	agccattaaa	atagaatgat	cctttatgga	ccaaaacttg	aatcactgca	6840
aaatgaatcc	agattgctgt	cattttcttt	tcttttggtg	ggtggggctt	gatgtagatt	6900
ttactctatg	tacagaatth	aacgttgaat	atattaaaat	aacaaatctg	gcatggthtg	6960
cggagggttag	atttactgga	aatgtattca	tactgtgaat	tgtgcctctg	atgggttaaaa	7020
gacaagattg	tcaagcattc	cgtattaaca	gtgggatgta	gaaaatthtt	tcagatggga	7080
caaaatgtat	atggtacaga	tgtaaagtht	tctatgtaaa	aaattctgta	caactthctg	7140
tacaatattg	attcccattc	ggcatattct	aatcaggtht	taggtcaata	aagthtttga	7200
attatttcat	cagtgaatc	aaaacctgta	taaccacccc	ccatgtthca	ttgattctgg	7260
tctattaagg	ctgaacaact	atggaaaaga	cattthtcagc	cagaactaca	aattcaatat	7320
tgtttggthc	tggtattthc	tttccagctt	ctagcattag	atcctcctta	cactgtactt	7380
accataggat	acttatttht	aaggcaatth	ttaaaattht	tatttatctt	g	7431

<210> 6101  
 <211> 1704  
 <212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1679)...(139)

<223> similar to gi5763727 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 6101

ttttttttta	tacaaaaaaa	tttttatggg	agtacagttt	caaatttaga	gcttccacgc	60
ttacaaatgt	gattggatat	ttaggataca	taattttattc	ttaaaaataca	caactttatat	120
acagatatta	aaaactcagt	ctccaaaatg	ctcaataaaag	atgtcttgggt	gacacttata	180
gaattgacct	agcaaatttt	ttcttctctt	tggcagaaaag	ttttgaatcc	tcatcaagag	240
tttttagtaa	attcaacagc	tcatctttgg	ttgtcttctc	tgtattgttg	gaatagtcac	300
gttgatcaat	tctctggcaa	taaatatatc	ctgcatctct	atttggatct	cttccgttct	360
gtatggccat	aaggcttaac	cacttacaat	tttatgtgag	agttccagga	atcttaaaaa	420
catctttctg	atgatccatt	taaaaagagt	accagaagat	ctgttttgcc	tttggataaa	480
tttttattgt	caacaatagc	ttttgagaat	atccttttca	caaccattcg	gttgtcactt	540
tctttctgta	atttaaactc	agaaggattt	gctgcaacag	ccatgaaata	cagtagtctt	600
ctaaattctt	ctctattttg	gaaatctaaa	agcttttagaa	ggagctgggt	agcttctaaa	660
gctattttccg	tcttcccat	cactaagagt	tctgcaattc	cattatgaac	gtcagataag	720
tgatttaaca	gaggttccct	actactgtaa	tatctgccaa	tggcatcaaa	cagaagtctt	780
ttcactaagt	ctgttcggtc	tggttgctca	ggaaagcttc	tgcttatttc	caccaccatt	840
tggctcgaa	ggtattctga	acagtcaatt	gctgccgaga	gccactcatc	ttcctgagag	900
tcactataag	ccttgagaat	ccctcgatcc	agatagttac	tgctgttgac	catggtggac	960
tgctcttag	gttgaggaat	tttaggtaca	gcctcttgct	gtttcagtaa	ggagtcaaga	1020
agtggaaggt	ctacaagttg	tagtagacgc	ccaattgttt	cttcttgcca	cacttcatta	1080
ataacttgtg	gagacaaggt	tgcagagata	tttcatgag	gggagttggc	aggctttaa	1140
ctcagatttt	cccacaggtc	ctctaaactg	gctgatctga	tatcggatga	cttaaataat	1200
gcatctgcat	acctggcagg	tgaatatagt	ttgttctctt	tgcttaactg	actgtcttgg	1260
ttaggatttg	tggatgaatc	ataaaggctg	caactactat	cttcaaatgt	aggttttttg	1320
tcttttccaa	agactttggt	tggaaactgct	tcaaatactt	tgtagtccat	aagcgcttga	1380
cacactctca	ccactttggc	tcgaggaata	tctacatcac	caaaaatactt	attctgaatt	1440
aggtgagaaa	aaatgacatc	cacagcttct	gaaccaacaa	agcagtcatt	atgtcgtttt	1500
aaacggtgcc	ttcgtttttt	cacttccact	tgtgtttgaa	gagtgtttat	gatgctgctc	1560
catacatag	tggctccaaa	tggcttctga	gctacactga	aaccggagg	cctgtgcgcg	1620
gggctgtgga	gagccgagag	gttcagcgca	gcagccttct	cctgcacggt	ggccatggcc	1680
cttgctcccc	ggacgccaac	tcct				1704

<210> 6102

<211> 2485

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (2307)...(433)

<223> similar to gi2584787 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

```

<400> 6102
tttttttttt ttcacagttc tgacattttt attcactgat cataaatata gtctcatgag      60
cattaagggtg atcatgaatg atgtactagc acctggaaca tgaccatcat ggagcactca      120
ctgattcccc atcactggcc aaagaagtcg gggcatcttc ctttcaccaa gtgttcaact      180
ttggaggggac cctccttctg gtgcagcaat tttattcttg gcttgttctc aacaattaaa      240
aaatcataaa agactgagtg tttgcaataa aatatcaaag aggataagaa gatttttctgt      300
tcttcttaaa gtctaaagta aaaaggggag gtagggaaga aggaaaggaa aggggaaaaga      360
tgtcagggat ctgccacgtt tcttccttcc tccagagcat tttacaaaaa caaaaccggg      420
gaggtattta ttaatgctgt ttggagatgg gttgcgtctc tctgatgagc cactcgagag      480
cttcctggcg gccctgtttc tgcaattcct tcccaatcac atccctgcag gtcagggtgt      540
aattgttgag ccagtcgcac tctttgtctg taagagaatc cacatctatc atttttgtct      600
gaattggaac caatgttaga ggttcaaagg tcaggcttcc ccggttatta aaattatact      660
tggtcttcac aggaaccaca aggacaacat tctcaatgcg aattccaaaa gccccatctt      720
catagtaccc gggtcatca gtgacaatca tgctgcctc caagggtcctc tcagagaatg      780
ttttgtaact gatgccgcaa ggaccctcat ggacattcaa aaaagaccca acaccatgtc      840
cagtcctgtg caagtaatct aggcctgaat cccataaagc tgaacgggca aaggagtcaa      900
gaagggtgacc tttggttcca gtcgggaaaa cggtgcact cacagctatg tggcccttga      960
ggacatatgt gaagcattcc ttctcgtagg ctgtaggggt cccaaaatgc attgtccgcg     1020
tcacatctgt ggtgccatcc ttgtattgag cacccgagtc aataaggtag acctcatcca     1080
gggacaaggc cctattcgtc tcagggactg gcgcgtagtg aatgatggcg ccgttgggtc     1140
ccgtactgga aattgttggg aagctcaggt ccacaaagtc tgcctgttgc ctgcgaaact     1200
cctcagcttt gtcagcagct gagatctctg tcacaccacc tttgggaacc tctttctcca     1260
gccagttaaa gagttcacag agagcaacag catctttaat gtgagcccg ctcattgcctt     1320
ctgactcaag ctgaattctt cacaagcttt ggcgatgcag atgggggtgt aaggcataca     1380
gcagcgggtg tccttgggga tggctcgtc cacagcatag ctggccttgt cactgacca     1440
caccttctcc cttggggaga ggtcagcaca cagggccttg agctcgctca ggatggactt     1500
gtagggatgc acctggatcc tgtattcggc ttccagacc aagtcaagaa gcagggtgctc     1560
cttcacactg ggggcgtcta tgcggtcacc atcaatgaag agcatgatcg tctctagtcc     1620
tatgattgcg taggagaaaa atactggatt gtgctccaca tctgacctc ggagattaaa     1680
tagccacgca atctcatcca aggcagtgac cacaaaccac atgacgttcc tctcagccat     1740
tttcaaccga aggtctgcaa ccttgtcctt ccaggagatg cctgtgtaat ccaggcccag     1800
tgtgaggaga ggcttgcaag ggcgctcagg acggtctgtc cagattttgt caacgagggt     1860
ctccttgaca ggaatgaggt gatggccggc acttctcaga actttggcca ttttcttcca     1920
ataatctgta ggaatgatca aggggtccac accaaccctg gatccttcag gaagcacact     1980
caccagccag tcttcctgag ttggtgtgtc cttcagacc atcttcataa gtgtccagtt     2040
gctgtccatt tgcttggcag cctggagaaa gtagcgcccg tcagtccaca tggctgcatg     2100
ctcttctgtg atgatggctg tgcccgcaga gccatcgaat ccagagacaa aagcccgcg     2160
acagtcacat ggagcaatat actcactctg atgagcatct cccgatggga tgatgtaggc     2220
ctggatcggg tcggtcacat actcagagtt cctcatggct tgtctcagct gccgaagcag     2280
ctctgaagtc acctttggag gcattctgcc gtctgtttcc acacctgtgt ctctgagtg     2340
tgtcacctcg ttaggttcaa ttattcttaa atttctcagt tgaaaatcct ggtgattcac     2400
ccttactcgc ggtggctttt tggaggctgc cattcggcgg tgacgtgccc cagcccacgt     2460
caggggagcg cagaccagca cgaaa                                     2485

```

```

<210> 6103
<211> 1513
<212> DNA
<213> Homo sapiens

<220>

```

<221> misc\_feature  
 <222> (1444)...(529)  
 <223> similar to gi5824207 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 6103

tttttttttt	ttctcaaaga	tctatatatt	ttcagccaca	aagcttaaaa	tctcaaattgt	60
caacgagtag	gatttcaggc	aaaataaaaag	aaaagtagaa	aataaaaaatc	agaatgtaga	120
tccatgttgg	gagagcaggt	taacttttcca	ggtaattcat	actgagattg	tttacacagc	180
tcttgcgggt	ccggcttttct	gtggcttttct	ttagctaagg	ccagaaattc	aaaaaaatcc	240
caatggttta	atggatccct	cctcacccat	ccatccaccc	aatgagaaag	aagaatttgt	300
ggaggggcagg	gggatatcac	aagagaaaat	ggcacaccag	ggtgtaattgt	ctcaaataaa	360
aggcttactt	tacacttaat	actagtatat	tactgttcat	aataatatat	cgtaaaatta	420
tcatgttata	aaaatatata	ataagatctt	ataagaaaact	ctgaatggat	tgatgcttga	480
taattctctt	aagtagaaca	caatgaaata	atagtggctg	gctaagttcc	atcaattttt	540
ttttaattct	ttttgacttt	ttctcgtggt	cttctgttat	cctttctgca	ggtcgcttct	600
tcaaccctt	acatttttct	ggtttgtagt	ttgcttaggt	cttgcttctg	catatgaatc	660
cttccataag	ttgtaccaa	agtatcatgg	gaaatatttt	tcttcttctt	tggcttgaga	720
gcttttggca	ttttcataga	taattttata	aggtcatccg	atgccagggtg	tgtcctcctc	780
agaaccagat	ccaatgaggg	tcccatctct	tccaattcaa	tccgtgggtg	tctgcaacca	840
gatttcttca	acagcaactt	atagcttcga	aagtaaactct	tcccattcag	tgacgtgaag	900
tgacagaacat	actctaattc	agccaggcgg	atatttgata	ctgtggggcc	tctgaagaaa	960
tcaataagaa	gacttttttag	tcttctataa	tcttctgtta	catcgaaatc	atcgccagca	1020
aatatcagca	tgggttttgt	tccctcagga	catttactgt	tcttaatgtc	ttttagagag	1080
acaaaattct	caatacctaa	ttcaatcata	tccagcacat	ggtagtcata	catacgacct	1140
attactagat	tatttggccg	cttcttatta	tgggagccaa	acatgaataa	agaacaatct	1200
gacttctttg	aaaagaattc	cagtgatgtc	tgatcctcaa	aaggcttctgt	aatatttttc	1260
tttttatata	gtacaccgta	tggttttttc	agtgcataca	catctttaag	tacttttgtc	1320
actgttgcac	ttgcatttcc	ccctttaatc	agcatggcat	ttttaatatt	ttcattgagt	1380
ttcggttctc	tcttctcaag	gaatctcttg	gctcttttctg	ttttgggctt	tactactcga	1440
tccagagtgt	ccatcgctac	cgctacctgc	aactcttaac	cagggggcat	gcacgtgccc	1500
tcggcgatta	cgt					1513

<210> 6104  
 <211> 3196  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (46)...(3139)  
 <223> similar to gi559056 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 6104

gcggccgcgc	tggggatgtt	gctgtggttc	cccgctgtc	aggcgttcaa	cctggacgtg	60
gaaaagctca	cagtgtacag	cggccccaag	ggcagctact	tcggctacgc	cgtggacttc	120

cacatacccg	acgcccgcac	agcgagtgtc	ttgggtggggg	cgcccaaagc	caacaccagc	180
cagcccgata	tcgtggaagg	gggagccgtc	tattactgtc	cttggcccgc	ggaggggtct	240
gcgcagtgc	ggcagatacc	gtttgacacc	accaacaaca	gaaagatcag	agttaatgga	300
accaaagaac	ctatcgagtt	caaatccaat	cagtggtttg	ggagcaacag	tgaaagcttc	360
acaaagggaa	aagtgtggg	cctgttgctc	ctttattatt	cacttgagg	aactttttaa	420
aaccgacacc	agaaaaagga	ccagtgggca	cctgctatgt	agcaattcag	aacttcagcg	480
cttatgccga	gttctctcct	tgcggaaca	gcaatgctga	tccggaagc	cagggttact	540
gccaagcagg	atttagtctg	gatttttata	agaatggaga	ccttattgtg	ggaggacctg	600
ggagtttcta	ctggcaagga	caagtgatca	ctgccagtgt	tgcaatatc	attgcaaatt	660
actcattcaa	ggatatcctc	aggaaactgg	caggagaaaa	gcagacggaa	gtggctccag	720
cttcctatga	tgacagttac	cttggatact	cagttgctgc	tggggagttt	actggggatt	780
ctcagcaaga	attggttgct	ggaattccaa	gaggagcaca	gaattttgga	tatgtttcca	840
tcattaaetc	ctacgatatg	acgtttattc	agaatttcac	gggagaacag	atggcatctt	900
attttgata	taccgttgct	gtatcagatg	ttaacagtga	tggactggat	gatgtcctgg	960
ttggggcacc	tctctttatg	gaacgtgaat	ttgagagcaa	ccccagagaa	gtagggcaaa	1020
tctacctgta	tttgcaagtg	agctctctcc	tcttcagaga	ccccagatc	ctcactggca	1080
ccgagacgtt	tgggagattc	ggtagtgtta	tggcacactt	aggagacctg	aaccaagatg	1140
gctacaatga	cattgccatc	ggagtgcctt	ttgcaggcaa	ggatcaaaga	ggcaaagtgc	1200
tcatttataa	tgggaacaaa	gatggcttaa	acaccaagcc	cttccccaa	ttctgccaa	1260
gagtgtgggc	ctcacatgct	gtcccttccg	gattttggctt	tactttaaga	ggagattcag	1320
acatagacaa	gaatgattac	ccagatttga	ttgtgggtgc	atlttggaaca	ggaaaagtgc	1380
ctgtttacag	agcaagaccg	gttgtgactg	tagatgcca	gcttctgctg	caccaatga	1440
ttatcaatct	tgaaaataaa	acttgccagg	ttccagactc	tatgacatct	gctgcctgct	1500
tttctttaag	agtatgtgca	tctgtcacag	gccagagcat	tgcaaacaca	atagtcttga	1560
tggcagaggt	gcaattagat	tccctgaaac	agaaaggagc	tattaaacgg	acgctcttcc	1620
ttgataacca	tcaggctcat	cgcgtcttcc	ctcttgtgat	aaaaaggcag	aaatcccacc	1680
agtgccagga	tttcatcggt	taccttcgag	atgaaactga	attccgagat	aaattatctc	1740
caatcaacat	tagtttgaat	tacagttttg	acgaatccac	ctttaagaa	ggcctggaag	1800
tgaaccaaat	attgaactac	tacagagaaa	acattgttag	tgaacaggct	cacattctgg	1860
tgactgtgg	agaagacaat	ctgtgtgttc	ctgacttgaa	gctgtcggct	agaccagata	1920
agcatcagg	aatcattgga	gatgaaaatc	accttatgct	cataataaat	gcaagaaatg	1980
aaggggaagg	agcatatgaa	gctgaactct	ttgtaatgat	accagaagag	gcagattatg	2040
ttggaatcga	acgcaacaac	aagggatttc	gaccactgag	ctgtgagtac	aagatggaaa	2100
atgtaaccag	gatggtgggtg	tgtgaccttg	ggaaccctat	ggtgtctgga	acaaattatt	2160
ccctgggcct	ccgatttgca	gttccacgtc	ttgagaaaac	aaacatgagc	attaacttcg	2220
atctccaaat	cagaagttcc	aacaaggaca	atccagacag	caattttgtg	agcctgcaaa	2280
tcaacatcac	tgctgtagcg	caggtggaaa	taagaggagt	gtcacaccct	ccgcagattg	2340
ttctgcccac	tcataactgg	gaaccagaag	aggagcccca	caaagaggag	gaggttggac	2400
cattggtgga	acataatttat	gagctgcaca	atattggacc	aagtaccatc	agtgcacca	2460
tcttgagggt	gggctggcct	ttctctgccc	gggatgaatt	tcttctctat	atlttccata	2520
ttcaaactct	gggacctctg	cagtgccaac	caaatcctaa	tatcaatcca	caggatataa	2580
agcctgctgc	ctccccagag	gacacccctg	agctcagcgc	ctttttgcga	aactctacta	2640
ttcctcatct	tgtcagggaag	agggatgtac	atgtggtcga	attccacaga	cagagccctg	2700
caaaaatact	gaattgtaca	aatatcgagt	gtttacaaat	ctcctgtgca	gtgggacgac	2760
tcgaaggagg	agaaagcgca	gtcctgaaag	tcaggtcacg	attatgggcc	cacaccttcc	2820
tccagagaaa	aaatgatccc	tatgctcttg	catccctggt	gtcctttgaa	gttaagaaga	2880
tgcccttatac	agatcagcca	gcaaaactcc	cagaagggaag	catagcaatt	aagacatcag	2940
ttatlttgggc	aactccgaat	gtttccttct	caatcccatt	atgggtaata	atactagcaa	3000
tacttcttgg	attgttggtt	ctcgccattt	taaccttagc	tttatggaag	tgtggattct	3060
ttgacagagc	cagacctcct	caggaggaca	tgaccgacag	ggaacagctg	acaaatgaca	3120
agaccctga	ggcatgacaa	gaaaaaaaaa	gaagaccaaa	gacctcaaac	actggtcctg	3180
ttcaaaaaaa	agggggg					3196

<210> 6105  
 <211> 9754  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <221> misc\_feature  
 <222> (640)...(8288)  
 <223> similar to gil666075 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 6105

gcggccgcct	tagcgcccg	tgcttgggtc	ggcgccggga	gctgaggagc	gagcatactt	60
caaaagcaca	accaggacat	ggagcgggga	cagagggcgc	gactagggga	aggtgaagcc	120
gtcgtgcag	gaggaggagc	aggaggaggt	gacgcaggag	aaacgcaccg	cccggagccc	180
gtctgagctc	agcgagagcc	ccagcctgag	gggagaaggg	gaagagggcc	gtcgccggcc	240
aaggaggagg	aggaggcggg	cgcggcgagg	agcgagttcc	ggcgccggtg	tcgagccttt	300
tggttgagac	gcccgcagcc	ccgagcccgg	ccgcccagc	ctttcgatac	actttgttgc	360
cggtcacccc	cgggcctggg	atgcacccag	ggtagggtctc	gtcccgggac	cgagccccac	420
cgtcgcctgg	tgcctcccgc	ctccgtgtgc	cctggttgtg	agaagacgtc	tgtgtcgtgc	480
ggttatgcaa	tggctctctgc	aagatggttt	attcttgaat	tggacctttt	taagactgac	540
aaatgctggt	acttcatctt	ctataagtgg	actataattt	cttttctcaa	gacaactaca	600
taagcagaca	aaattgcaaa	gatctgccct	gtgtcgagta	tgacagccac	gactcgtggc	660
tctccggtcg	gagggaatga	caaccagggc	caggctcctg	atggacagtc	tcagcccccc	720
ctccaacaga	atcagacttc	atcgctgat	tcttccaatg	aaaattcccc	ggcaactccc	780
ccagatgagc	aaggtcaagg	tgatgcccc	ccacagcttg	aagatgagga	acctgcattt	840
ccacatactg	acttggccaa	gttggatgac	atgatcaaca	ggcctcgatg	ggtggttcca	900
gttttgccga	aagggggaatt	agaagtgcct	ttagaagctg	ctattgatct	tagtaaaaaag	960
ggccttgatg	ttaaaagtga	agcatgtcag	cgatttttcc	gtgatgggct	aacaatatca	1020
ttcactaaaa	ttcttacaga	tgaagcagtg	agtggctgga	agtttgaaat	tcataggtgt	1080
ctggtggagc	tatggtgtgg	cccaagttgt	ccccaaagact	ggtttcgcac	ttttagaact	1140
tcttgccatg	gccttaaatc	ctcattgcaa	attccatatc	tacaatggta	cacgtccatg	1200
tgaatcagtt	tcctcaagtg	ttcagttgcc	tgaagatgaa	ctctttgctc	gttctccaga	1260
tcctcgatca	ccaaaggggt	ggctagtgg	tcttctcaac	aaatttgcca	ctttaaatgg	1320
gttccagatt	ttgcatgac	gttttattaa	tggatcagca	ttaaactgtc	aaataattgc	1380
agcccttatt	aaaccatttg	ggcaatgcta	tgagtttctc	actcttcata	cagtgaagaa	1440
agtactttct	tccaataata	gaaatggttc	cacagttttt	agaaaactta	actgatgaag	1500
agctgaaaaa	agaagcaaag	aatgaagcca	aaaatgatgc	tctttcaatg	attattaaat	1560
ctttgaagaa	tttagcttca	agggttccag	gacaagaaga	aactgttaaa	aacttagaaa	1620
tatttaggtt	aaaaatgata	cttagattat	tgcaaatttc	ttctttcaat	ggaaagatga	1680
atgcaactga	tgaagttaat	aagtgatat	ctagtgtatc	atactatact	catcgacatg	1740
gtaatcctga	ggaggaagag	tggctcacag	ctgaacgaat	ggcagaatgg	atacagcaga	1800
acaatatctt	atccatagtg	ttgcgagata	gtcttcatca	gccacagtat	gtagaaaagt	1860
tagagaagat	tcttcgtttt	gtcatcaaag	aaaaagctct	gaccttacag	gatcttgata	1920
atatctgggc	agcacaggca	gggaaacatg	aagccattgt	gaagaatgta	catgatctcc	1980
tggcaaaatt	ggcatgggct	tttttctcct	gaacaacttg	atcatctttt	tgattgtttt	2040
aaggccagtt	ggacaaatgc	gagtaaaaag	caacgtgaaa	agctacttga	gctgatacgt	2100
cgtcttgagc	aagatgataa	agatggtgtg	atggcacaca	gagtgttgaa	ccttctgtgg	2160
aatctggctc	acagtgatga	tgtgcctgta	gatatcatgg	acctggctct	cagtggccac	2220
ataaaaatac	tagattacag	ttgctcccag	gaccgtgata	cacaaaagat	ccaatggata	2280
gatcgcttta	tagaagaact	tcgcacaaat	gacaaatggg	ttattcccgc	actgaaacaa	2340
attagagaaa	tttgtagttt	gtttggtgaa	gcgcctcaaa	atttgagtca	aactcagcga	2400
agtcccatg	tgttttatcg	ccatgactta	atcaatcaac	ttcaacacaa	tcatgcccta	2460
gttacttttg	tagcagaaaa	ccttgtaact	tacatggaaa	gcatgagact	atatgctaga	2520

gaccatgaag	attatgaccc	acaaactgtg	aggctgggaa	gtagatatag	tcatgttcaa	2580
gaagttcaag	aacggcttaa	cttccttaga	tttttattga	aggatgggtca	gctgtggcta	2640
tgtgctctc	aggcaaaaca	aatatggaaa	tgcttagctg	agaatgcagt	ttacctttgt	2700
gatcgtgaag	cctgttttaa	gtggtattcc	aagttgatgg	gggatgaacc	agacttagat	2760
cctgatatta	ataaggactt	ctttgaaagt	aatgtgcttc	agcttgatcc	ttctctgtta	2820
actgaaaatg	gaatgaagtg	ttttgagcga	ttcttcaaag	ctgtgaattg	tcgagaagga	2880
aaactagtag	caaaaaggag	agcctatatg	atggatgact	tggagttaat	aggattagat	2940
taccttttga	gggtcgtgat	tcagagtaat	gatgatattg	ccagcagagc	tatagatctc	3000
ctcaaagaga	tatacacgaa	ccttggtcca	agactacaag	tcaatcaggt	ggatgatccat	3060
gaagacttca	ttcagtcctg	ttttgatcgt	ctgaaggctt	cctatgacac	attgtgtggt	3120
ttggatgggt	acaaagacag	tgtaatttgt	gcaagacagg	aagctgttcg	aatgggttcga	3180
gtattaactg	ttttaaggga	atatataaat	gaatgtgaca	gtgattatca	tgaggaaaga	3240
acaattctcc	cttatgtcga	agcattccgc	ggtaaacacc	tctcttttgt	agttcgattt	3300
ccaaaccagg	gcagacaggt	tgatgacttg	gaggtatggt	ctcatacaaa	tgatacaatt	3360
ggttcagtag	gacgatgtat	tctcaatcgt	attaaagcca	acgtagccca	tacaaaaatt	3420
gagctctttg	tgggcgggga	gctgatagat	cctgcagatg	atagaaagtt	gattggacaa	3480
ttaaacttaa	aagataaaatc	gcttattaca	gccaaactta	cacagataag	ttccaatatg	3540
ccttcaagcc	ctgatagctc	ttctgattcc	tccactggat	ctcctggaaa	ccatggtaat	3600
cattacagtg	atggtcccaa	tccagaagtg	gaaagctggt	tgcttgaggt	gataatgtca	3660
ctgcatccca	gatacatctc	ttttcttttg	caagttgcag	acttaggtag	cagcctaaat	3720
atgccacccc	ttagagatgg	agcaagagta	cttatgaaac	ttatgccgcc	agatagcaca	3780
acgatagaaa	aattaagagc	tatttgttta	gaccatgcc	aacttggaga	aagcagcctt	3840
agtccatctc	ttgactcact	tttcttttgt	ccttcagcct	cacaagtgtc	atatctaaca	3900
gaggtagtct	atgccttggt	aatgcctgct	ggtgcacctc	tggctgatga	ttcctctgat	3960
tttcagtttc	acttcttgaa	aagtgggtgg	ctaccccttg	tactgagtat	gtaaccaga	4020
ataaactctc	taccgaatgc	agatattgaa	actcgaaggg	gtgcctacct	caatgctctt	4080
aaaatagcca	agcttttgtc	aactgccatt	ggctatggtc	atggttcgagc	tgtggcagaa	4140
gcttgtcagc	caggtgtaga	aggtgtgaat	cccatgcac	agatcaacca	agttaccat	4200
gatcaagcag	tggtgctaca	aagtgccctt	cagagcattc	ctaattccatc	atccgagtg	4260
atgcttagaa	atgtgtcagt	tcgtcttgct	cagcagatat	ctgatgaggc	ttcaagatat	4320
atgcttgata	tttgtgtaat	tagagctata	caaaaaatta	tctgggcatac	aggatgtggg	4380
tcgttacagc	tagtatttag	cccaaataga	gaaatcacta	aaatttatga	gaagaccaat	4440
gcaggcaatg	agccagactt	ggaagacgaa	caggtttgct	gtgaagcatt	ggaagtgatg	4500
accttatggt	ttgccttgat	tccaacagcc	ttagatgctc	ttagtaaaga	aaaggcttgg	4560
cagacattca	tcattgactt	actattgcac	tgtcacagca	aaactgttcg	tcaggtggca	4620
caggagcagt	tctttttaat	gtgcaccaga	tgttgcatgg	gacaccggcc	tctacttttc	4680
ttcattactc	tactctttac	tgttttgggg	agcacagcaa	gagagagagc	taaacactca	4740
ggcgactact	ttactctttt	aagacacctt	tttaattacg	cttacaatag	taatattaat	4800
gtacccaatg	ctgaagttct	tctcaataat	gaaattgatt	ggcttaaaag	aattagggat	4860
gatgttaaaa	gaacaggaga	aacgggtatt	gaagagacga	tcttagaggg	ccaccttgga	4920
gtgacaaaag	agttactggc	ctttcaaact	tctgagaaaa	aatttcatat	tggttgtgaa	4980
aaaggaggtg	ctaattctcat	taaagaatta	attgatgatt	tcatatttcc	tgcatccaat	5040
gtttacctac	agtatatgag	aaatggagag	cttccagctg	aacaggctat	tccggtctgt	5100
ggttcaccac	ctacaattaa	tgctgggttt	gaattacttg	tagcattagc	tgttggctgt	5160
gtgaggaatc	tcaaacaaat	agtagattct	ttgactgaaa	tgtattacat	tggcacagca	5220
ataactactt	gtgaagcact	tactgagtg	gaatatctgc	cacctgttgg	accccgccca	5280
cccaaaggat	tcgtggggct	gaaaaatgcc	ggtgctactt	gttacaatga	ttctgtgatt	5340
cagcaactct	acatgattcc	ttccattagg	aacggtattc	ttgccattga	aggcacaggt	5400
agtgatgtag	atgatgatat	gtctggggat	gagaagcagg	acaatgagag	caatgttgat	5460
cccagggatg	atgtattttg	atatcctcaa	caatttgaag	ataaaccagc	attaagtaaa	5520
actgaagata	gaaaagagta	caacattgg	gtcctaagac	accttcaggt	catcttttgt	5580
catttagctg	cttctcgact	gcaatactat	gtgccagag	gattttggaa	acagttcagg	5640
ctttggggtg	agcctgttaa	tctgcgtgaa	caacacgatg	ctttagaatt	ttttaattca	5700
ttggtggata	gtttagatga	agctttaaaa	gctttaggac	atccagctat	gctaagtaaa	5760
gtcttaggag	gttccttttg	tgatcagaag	atctgccaa	gctgccaca	taggtacgaa	5820
tgtgaagaat	ctttttacgac	cctaaacgta	gacattagaa	atcaccaaaa	tcttcttgat	5880
tcttttgaac	agtatgtcaa	aggagattta	ctagaagggtg	caaatgcata	tcatttgtgaa	5940

aaatgcaata	aaaaggttga	taccgtaaag	cgcttgctga	ttaaaaaatt	acctcctggt	6000
cttgctatac	aactaaagcg	atttgactat	gactgggaaa	gagaatgtgc	aatcaagtgc	6060
aatgattatt	ttgaatttcc	tcgagagctg	gacatggaac	cttacacagt	tgcaggtgtc	6120
gcaaagctgg	aaggggataa	tgtaaaccca	gagagtcagt	tgatacaaca	gagtgagcag	6180
tctgaaagtg	agacagcagg	aagcacaaaa	tacagacttg	tgggtgtgct	cgtacacagt	6240
ggtcaagcga	gtggggggca	ttattattct	tacatcatcc	aaaggaatgg	tggagatggg	6300
gagagaaaatc	gctgggtataa	atttgatgat	ggtgatgtaa	cagaatgtaa	aatggatgat	6360
gacgaagaaa	tgaaaaacca	gtgttttggg	ggagagtaca	tgggagaagt	gtttgatcac	6420
atgatgaagc	gtatgtcata	caggcgccag	aaaaggtggg	ggaatgctta	tatacttttt	6480
tatgaacgaa	tggacacaat	agaccaagat	gatgagttga	taagatatat	atcagagctt	6540
gctatcacca	ccagacctca	tcagattatt	atgccatcag	ccattgagag	aagtgtacgg	6600
aaacagaacg	tacaattcat	gcataaccga	atgcagtaca	glatggagta	ttttcagttt	6660
atgaaaaaac	tgtttacatg	taatggcggt	tacttaaacc	ctcctcccgg	gcaagatcac	6720
ctgttgccctg	aagcagaaga	aatcactatg	atcagtattc	aacttgctgc	taggttcctc	6780
tttactacag	gatttcacac	aaagaaagta	gtccgtgggt	ctgccagtga	ttggtatgat	6840
gcattgtgta	ttctccttcg	tcacagcaag	aatgtacggt	tttggtttgc	tcataacgtc	6900
ctttttaatg	tttcaaactg	cttctccgaa	taccttctgg	agtgccctag	tgcagaagtg	6960
aggggtgcgt	ttgcaaaact	tatagtcttt	attgcacatt	tttccttgca	agatgggcca	7020
tgtccttcac	cttttgcttc	tcttggaact	tctagtccag	cttatgacaa	cttaagcttg	7080
agtgatcact	tactaagagc	agtactaaat	ctcttgagaa	gggaagtttc	agagcatggg	7140
cgatcattac	agcagtattt	caacctgttt	gtaatgtatg	ccaatttagg	tgtggcagag	7200
aagacacagc	ttctgaaatt	gagtgtacct	gctactttta	tgcttgtgtc	tttagatgaa	7260
ggtccagggtc	ctccaatcaa	ataccagtat	gctgaattag	gcaaattata	ctcagtagtg	7320
tcacagctga	tccgctgttg	caatgtctct	tcaagaatgc	agtcttcaat	caatggtaat	7380
cctcctcttc	ccaatccttt	tgggtgatcct	aatttatcac	aacctataat	gccaattcag	7440
cagaatgtgg	cagacatttt	atttgtgaga	acaagttatg	tgaagaaaat	cattgaagac	7500
tgcagtaatt	cagaggaaaac	cgtcaaattg	cttcgttttt	gctgctggga	gaatcctcag	7560
ttctcatcta	ctgtcctcag	tgaactttct	tggcaggttg	catattccta	tacctatgaa	7620
ctgcggccct	atttggtatct	gcttttgcaa	atcttactga	ttgaggactc	ctggcaaaact	7680
cacagaattc	ataatgcact	gaaaggaatt	ccagatgacc	gagatgggct	gtttgacaca	7740
atccagcgct	ctaagaatca	ctatcaaaaa	agagcatacc	agtgtataaa	atgtatggta	7800
gctctatttta	gtaactgtcc	tgttgcttac	caaatcctgc	agggcaatgg	agatcttaaa	7860
agaaagtggg	cctgggcaggt	ggaatggcct	ggagatgaac	ttgaaagaag	accatatact	7920
ggcaatcctc	agtacactta	caacaattgg	tctccccag	tgcaaagcaa	tgaaacgtcc	7980
aatggttatt	tcttgagag	atcacatagt	gctaggatga	cacttgcaaa	agcttgtgaa	8040
ctctgtccag	aggaggagcc	agatgaccaa	gatgctccag	atgaacatga	gtcgcctcca	8100
cctgaagatg	ccccattgta	ccccatttca	cctggatctc	agtatcaaca	gaataaccat	8160
gtgcatggac	agccatatac	aggcccagca	gcacatcaca	tgaacaaccc	tcagagaact	8220
ggccaacgag	cacaagaaaa	ttatgaaggc	agtgaagaag	tatccccacc	tcaaaccaag	8280
gatcaatgaa	atgcacataa	ttaactgggt	ccatcaagac	tgtgcaccca	ggccttacag	8340
tccaaccttt	ttctgtgtct	ggctaataat	taaaactaga	aaaactattc	ctaatacaac	8400
tggagtggag	agtttattca	ctgtcttatc	tgcagaaatt	tgctgtcaat	atgtaacccg	8460
cctgcagtgg	aaagtgtata	gtgttttgta	ataaatggcc	tgatgctaata	gtgtaaatgg	8520
caaaggtgta	tatagtatat	taatgttgac	tgttaattct	taagcaagaa	acttttttct	8580
tgatgagact	cacagatcta	cacaaactac	aaaagttaat	tttcttgta	cacccactgc	8640
actctgcaac	cagtgttgcg	cctgcctcat	ggcagttgga	tcagctcctt	tacaaaaaag	8700
aaaaaaaaaa	aaccaacagc	aacaaaacag	agcccatcca	tgtcagccac	accaatagtt	8760
tcatgttaat	tctttgccac	tggagtcaat	tttgctatga	gcaatgtaag	gctggtaacc	8820
tttaaattat	ttggttgatg	tggaaaattg	gtgatgtaac	actgtttcta	gatttttttc	8880
attgcctttt	tattctgata	ttaggttaat	cactttgaag	ctatagttat	gctgtaacat	8940
ttagcatggc	ttcacaccaa	gttagtgtag	ccaatgagga	aaaagttacc	ataatgacag	9000
cagttgtccg	agaagtgaca	gctgtattac	tcagagcttt	tacttcttac	acctagaata	9060
ttaaaatata	aaacaagggg	agaaatgtga	cagtctattt	tcagttgcac	atatgttctt	9120
tatatataat	gtttgacagt	tcaatctctg	ggtggaataa	agaacactta	cgtatcagta	9180
atgggaattt	ttaaagattt	aaaacaaata	tgcaaaaatt	tgctatgcca	agatgctgga	9240
gcataatata	agactgtatt	tgggtgtgct	gttttggttc	tttggtagag	tttattaggt	9300
gaatcttcta	aaactttcct	tctgttggat	cccagtgacg	tggaggtcat	cagaacccca	9360





<211> 2006  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <221> misc\_feature  
 <222> (28)...(1804)  
 <223> similar to gil79720 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 6107

ctgtggcatc	tcctgtcaca	ttgggaaatg	aagaattcca	ggacatgggc	ttggagggcg	60
ccggtggagc	tatttcttct	ctgtgctgcc	ctgggctgtc	tcagtttgcc	tggctccaga	120
ggtgaaaggc	cacattcctt	tgggtcaaat	gcagtcaaca	agagctttgc	taagagcaga	180
cagatgcgga	gtgtggatgt	tacctgatg	cccattgatt	gtgagctgtc	tagttggtcc	240
tcttggacca	catgtgaccc	ctgtcagaag	aaaaggta	ggtatgccta	cttgctccag	300
ccctctcagt	tccatgggga	accgtgcaac	ttctctgaca	aggaagtcga	agactgtgtt	360
accaacagac	catgcggaag	tcaagtgcga	tgtgaaggct	ttgtgtgtgc	acagacagga	420
aggtgtgtaa	accgcagact	tctttgcaat	ggggacaatg	actgtggaga	ccagtcagat	480
tgaagcaaac	tgtagaagga	tttataaaaa	atgtcagcat	gaaatggacc	aatactgggg	540
aattggcagt	ctggccagtg	ggataaattt	gttcacaaac	agttttgagg	gcccagttct	600
tgatcacagg	tattatgcag	gtggatgctc	cccgcattac	atcctgaaca	cgagggttag	660
gaagccctac	aatgtggaaa	gctacacgcc	acagacccaa	ggcaaatacg	aattcatatt	720
aaaagagtat	gaatcatact	cagattttga	acgcaatgtc	acagagaaaa	tggcaagcaa	780
gtctggtttc	agttttgggt	ttaaaatacc	tggaaatatt	gaacttggca	tcagtagtca	840
aagtgatcga	ggcaaacact	atattaggag	aaccaaacga	ttctctcata	ctaaaagcgt	900
atttctgcat	gcacgctctg	accttgaagt	agcacattac	aagctgaaac	ccagaagcct	960
catgctccat	tacgagttcc	ttcagagagt	taagcggctg	cccctggagt	acagctacgg	1020
ggaatacaga	gatctcttcc	gtgattttgg	gacctactac	atcacagagg	ctgtgcttgg	1080
gggcatttat	gaatacaccc	tcgttatgaa	caaagaggcc	atggagagag	gagattatac	1140
tcttaacaac	gtccatgcct	gtgccaaaaa	tgattttaaa	attggtggtg	ccattgaaga	1200
ggtctacgtc	agtctgggtg	tgtctgtagg	caaatgcaga	ggtattctga	atgaaataaa	1260
agacagaaac	aagaggggaca	ccatggtgga	ggacttggtg	gtcctggtac	gaggaggggc	1320
aagtgagcac	atcaccaccc	tggcatacca	ggagctgccg	acggcggacc	tgatgcagga	1380
gtggggagac	gctgtgcagt	acaaccacgc	catcatcaaa	gttaagggtg	agcctctgta	1440
tgaactagt	acagccacag	attttgccta	ttccagcaca	gtgaggcaga	acatgaagca	1500
ggcactggag	gagttccaga	aggaagttag	ttcctgccac	tgtgctccct	gccaaggaaa	1560
tggagtccct	gtcctgaaag	gatcacgctg	tgactgcata	tgctctgttg	gatcccaagg	1620
cctagcctgt	gaggtctcct	atcggaagaa	tacccccatt	gatgggaagt	ggaattgctg	1680
gtcaaattgg	tcttcatgct	ctggaagacg	taagacaaga	caaaggcagt	gtaacaatcc	1740
acctcctcaa	aatgggggta	gcccctgttc	aggccctgct	tcagaaacac	ttgactgctc	1800
ctagcagatg	atacagcagt	gggctacata	caatgagagc	cctgagccct	caagaactca	1860
cgccagctca	gccctacacc	agtttccacc	tggagttcat	gcaagggcaa	aaggcagtg	1920
catgcaagct	gtttaaaata	aagatgttac	cttgtaaaat	gcaagttgat	ttaaataaat	1980
actgagttaa	aggcttaaaa	aaaaaa				2006

<210> 6108  
 <211> 3145  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (340)...(1167)  
 <223> similar to gi5912237 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 6108

ggcacgagtg	ggtatgcagc	acagcaactt	cccagtctcc	tgaaggagag	agagtttcac	60
cttgggaccc	ttaataaagt	gtttgcatct	cagtgggttg	atcataggca	agtgggtgtg	120
ggcacaaaat	gcaacacgct	atttgtcgta	gatgtccaga	caagccagat	caccaagatc	180
cccatttctga	aagaccggga	gcctggaggt	gtgacccagc	agggctgtgg	tatccatgcc	240
atcgagctga	atccttctag	aacactgcta	gccactggag	gagacaaccc	caacagtctt	300
gccatctatc	gactacctac	gctggatcct	gtgtgtgtag	gagatgatgg	acacaaggac	360
tggatctttt	ccatcgcatg	gatcagcgac	actatggcag	tgtctggctc	acgtgatggt	420
tctatgggac	tctgggaggt	gacagatgat	gttttgacca	aaagtgatgc	gagacacaat	480
gtgtcacggg	tccctgtgta	tgcacacatc	actcacaagg	ccttaaagga	catccccaaa	540
gaagacacaa	accctgacaa	ctgcaagggt	cgggctctgg	ccttcaacaa	caagaacaag	600
gaactgggag	cagtgtctct	ggatggctac	tttcatctct	ggaaggctga	aaataacta	660
tctaagctcc	tctccacca	actgccatat	tgccgtgaga	atgtgtgtct	ggcttatggt	720
agtgaatggt	cagtttatgc	agtgggctcc	caagctcatg	tctccttctt	ggatccacgg	780
cagccatcat	acaacgtcaa	gtctgtctgt	tccaggggagc	gaggcagtg	aatccgggtca	840
gtgagtttct	acgagcacat	catcactgtg	ggaacagggc	agggctccct	gctgttctat	900
gacatccgag	ctcagagatt	tctggaagag	aggctctcag	cttgttatgg	gtccaagccc	960
agactagcag	gggagaatct	gaaactaacc	actgggcaaa	ggctggctga	atcatgatga	1020
aacctggagg	aattactttt	cagacattga	cttcttcccc	aatgctgttt	acacccactg	1080
ctacgactcg	tctggaacga	aactctttgt	ggcaggaggt	cccctccctt	caggggtcca	1140
tggaaactat	gctgggctct	ggagttaatg	acaactcccc	aaatgcagag	atttacacta	1200
acttccattc	tcagtttctt	tgtttctttt	gatttttttt	ttcctaattg	tgtgaggctc	1260
ttgtgtttta	gtgggaacac	caaagtttgc	ctatagttta	ggcacttaat	aggaagaagc	1320
tctgtacaga	aatctgaaag	ttgttttgct	ttttgttttc	ccctttggta	atcaaaattt	1380
tactatcttt	tattatttct	ggcttttcaa	ccaaacattg	ttgctaatac	ctatttttct	1440
ttaagtgaca	cacattctcc	tgtctctggc	ttcttcaggc	tgaaatgaca	tagtctttct	1500
cacccttact	tcactcttga	gaggtagggc	tcctttataa	ttacatgggt	gctctcagac	1560
tttctgtgaa	agtttgggag	ctgtgtgtgt	ctgtgtgtgt	gtgagagaga	gatcttgtct	1620
gcgtgtgtgt	gtgtgatctt	gtgtgcctgt	aggtactgtg	tgtcactgaa	attacctgga	1680
gtgaggatta	cttgtaatta	aaatatattat	aaaagaaaca	actttattca	cagagtccag	1740
ctttgggact	agtctgtatc	ttgtttttta	agtctaacaa	cactgataat	aggaagtaaa	1800
aacagaaaag	aaaagaaatt	accactggga	aaatcttttt	agttagattg	taggcttcct	1860
ggggcctccc	atgccaggac	tgcaaagtga	tccagcccta	cctgtcttcc	cacctgtgtg	1920
tcccccggtg	gggaagttag	tgtcacttcc	ccttcccacc	ctcacatctg	cttagccagt	1980
agccacaccc	ctaaaacatc	agactcacca	tccaggtgca	gctccagagg	ctacaaaagg	2040
cttcatggga	cttgaatccc	catcctagct	tctctctcct	tcccccaag	acctgatctg	2100
gttttaaggg	gcctggagct	gggagtctca	agtctgctaa	gattcacatc	catagccccc	2160
atggctttga	ggagaatcct	ctctgccatt	cttccaatct	ccccagtggg	ttttgctatt	2220
attttctaaa	ttgggttaag	tctaagaagg	tgggggtgag	caggggggtt	atctgtgtgt	2280
agtgagtgct	tcatgtgtgg	aatattcatt	ttcttactgc	agtgggactt	gggggtgaag	2340
ccacccctcc	tactctgttg	gcttagccct	gagatgggtga	caggctggcc	tgcagtcagc	2400
atcattgtgc	atgtgacagc	atcaatgtga	ttagtaattt	gtctgttcct	cccttgaact	2460
gtctgttttag	tctgaggttt	ttaaacttgc	aggcagctga	ctgtgatgtc	cacttgttcc	2520
ctgattttta	cacatcatgt	caaagataac	agctgttccc	accaccaggt	tcctctaagc	2580
acatactctg	cttttctgtc	aacatcccat	tttggggaaa	ggaaaagtca	tatttattcc	2640
tgcacccag	ttttttaact	tgttctccca	gttgtccccc	tcttctctgg	gtgtaagaag	2700
ggaaattgga	aaaaaaatta	tatatatatt	ctccttttaa	tgggtggggg	ctactggaga	2760

ggagagacag	caagtccacc	ctaacttggt	acacagcaca	taccacaggt	tctggaattc	2820
tcatcttcga	acctagagaa	ataggtgcta	taaacaggga	attaagcaaa	atgctggatg	2880
ctatagatct	tttaattgtc	ttaatttttt	ttctattatt	aaactacagg	ctgtagattt	2940
cttagttctc	acagaacttc	tatcatttta	aactgacttg	tatatttaaa	aaaaaaatct	3000
tcagtaggat	gttttgtagt	attgctagac	cctcttctgt	aatgggtaat	gcgttttgatt	3060
gtttgagatt	ttctgttttt	aaaaatgtag	cacttgactt	tttgccaagg	aaaaaaataa	3120
aaattattcc	agtgcacaaa	aaaaa				3145

<210> 6109  
 <211> 3042  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <221> misc\_feature  
 <222> (322)...(1664)  
 <223> similar to gi899300 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 6109						
gcgtggacgc	gtgggctaga	ccataatgca	tcattacttt	ccccagggat	aaccagggtat	60
gtaagctctt	gttcagcttc	ctttgcttcc	ttgcacgcct	gagaatgtaa	ctttcgtttc	120
tcactcagct	cctgtgggga	aactcatttg	tggagaccag	ccctctggct	tggtagagtga	180
atctggttta	caccggctcc	tgccctgcct	tcactcttct	cccctgattc	aagactcctc	240
tgctttggac	tgaagcactg	caggagtttg	tgaccaagaa	cttcaagagt	caagacagaa	300
ggaagccaag	ggagcagtg	aatggatttc	tcagtaaagg	tagacataga	gaaggagggtg	360
acctgcccc	tctgcctgga	gtcctgaca	gaacctctga	gcctagattg	tggccacagc	420
ttctgccaa	cctgcacac	tgcaaagatc	aaggagtcag	tgatcatctc	aagaggggaa	480
agcagctgtc	ctgtgtgtca	gaccagattc	cagcctggga	acctccgacc	taatcggcat	540
ctggccaaca	tagttgagag	agtcaaagag	gtcaagatga	gccacacagga	ggggcagaag	600
agagatgtct	gtgagcacca	cggaaaaaaa	ctccagatct	tctgtaagga	ggatggaaaa	660
gtcatttgct	gggtttgtga	actgtctcag	gaacaccaag	gtcaccaaac	attccgcata	720
aacgaggtgg	tcaaggaatg	tcaggaaaag	ctgcaggtag	ccctgcagag	gctgataaag	780
gagaatcaag	aggctgagaa	gctggaagat	gacatcagac	aagagagAAC	cgcctggaag	840
aattatatcc	agatcgagag	acagaagatt	ctgaaagggt	tcaatgaaat	gagagtcac	900
ttggacaatg	aggagcagag	agagctgcaa	aagctggagg	aagggtgagg	gaatgtgctg	960
gataacctgg	cagcagctac	agaccagctg	gtccagcaga	ggcaggatgc	cagcacgctc	1020
atctcagatc	tccagcggag	gttgagggga	tcgtcagtag	agatgctgca	ggatgtgatt	1080
gacgtcatga	aaaggagtga	aagctggaca	ttgaagaagc	caaaatctgt	ttccaagaaa	1140
ctaaagagtg	tattccgagt	accagatctg	agtgggatgc	tgcaagttct	taaagagctg	1200
acagatgtcc	agtactactg	ggtggacgtg	atgctgaatc	caggcagtg	cacttcgaat	1260
gttgctatatt	ctgtggatca	gagacaagtg	aaaactgtac	gcacctgcac	atttaagaat	1320
tcaaatccat	gtgatttttc	tgcttttggt	gtcttcggct	gccaatattt	ctcttcgggg	1380
aaatattact	gggaagtaga	tgtgtctgga	aagattgcct	ggatcctggg	cgtacacagt	1440
aaaataagta	gtctgaataa	aaggaagagc	tctgggtttg	cttttgatcc	aagtgtaaat	1500
tattcaaaag	tttactccag	atatagacct	caatatggct	actgggttat	aggattacag	1560
aatacatgtg	aataataatg	ttttgaggac	tcctcctctt	ctgatcccaa	ggttttgact	1620
ctctttatgg	ctgtgcctcc	ctgtcgtatt	ggggttttcc	tagactatga	ggcaggcatt	1680
gtctcatttt	tcaatgtcac	aaaccacgga	gcactcatct	acaagttctc	tggatgtcgc	1740
ttttctcgac	ctgcttatcc	gtattttcaat	ccttggaact	gcctagtcac	catgactgtg	1800

094867-0130

```
<220>
<221> misc_feature
<222> (113)...(3050)
<223> similar to gi3043658 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```

4669

accagactttt	gacaagattg	ttgaaagcct	tagcttattg	aaggactttt	ttacctcagg	720
ttctccggaa	gaaacggcgt	ttagagcaac	agatcgtgga	tctgaaagt	acaagcattt	780
tagaaaggtg	tcagacaaag	agaaaattga	ccaacttcag	gaagaacttc	tgcacactca	840
gttgaagtat	cagagaatct	tggaacgatt	agaaaaggag	aacaaagaat	tgagaaaatt	900
agtattgcag	aaagatgaca	aaggcattcc	attcatagaa	agcttaagga	aatctttgat	960
tgacatgtat	tctgaagttc	ttgatgttct	ctctgattat	gatgccagtt	ataatacgca	1020
agatcatctg	ccacgggttg	ttgtggttgg	agatcagagt	gctggaaaaga	ctagtgtgtt	1080
ggaaatgatt	gcccagctc	gaatattccc	aagaggatct	ggggagatga	tgacacgttc	1140
tccagttaag	gtgactctga	gtgaagggtc	tcacatgtg	gccctattta	aagatagttc	1200
tcgggagttt	gatcttacca	agaagaaga	tcttgacagca	ttaagacatg	aaatagaact	1260
tcgaatgagg	aaaaatgtga	agaagggtg	taccgttagc	cctgagacca	tatccttaaa	1320
tgtaaaaggc	cctggactac	agaggatggt	gcttgttgac	ttaccaggtg	tgattaatac	1380
tgtgacatca	ggcatggctc	ctgacacaaa	ggaaactatt	ttcagtatca	gcaaagctta	1440
catgcaggat	ccaaatgcc	tcatactgtg	tattcaagat	ggatctgtgg	atgctgaacg	1500
cagtattgtt	acagacttgg	tcagtcaaat	ggacctcat	ggaaaggagaa	ccatattcgt	1560
tttgacaaaa	gtagacctgg	cagagaaaaa	tgtagccagt	ccaagcagga	ttcagcagat	1620
aattgaagga	aagctcttcc	caatgaaagc	tttaggttat	tttgctgttg	taacaggaaa	1680
agggaacagc	tctgaaagca	ttgaagctat	aagagaatat	gaagaagagt	tttttcagaa	1740
ttcaaagctc	ctaaagacaa	gcatgctaaa	ggcacaccaa	gtgactacaa	gaaatttaag	1800
ccttgacagta	tcagactgct	tttggaaaat	ggtacgagag	tctgttgaac	aacaggctga	1860
tagtttcaaa	gcaacacgtt	ttaaccttga	aactgaatgg	aagaataact	atcctcgcct	1920
gcgggaactt	gaccggaatg	aactatttga	aaaagctaaa	aatgaaatcc	ttgatgaagt	1980
tatcagtctg	agccagggtta	caccaaaca	ttgggaggaa	atccttcaac	aatctttgtg	2040
ggaaaagagta	tcaactcatg	tgattgaaaa	catctacctt	ccagctgcgc	agaccatgaa	2100
ttcagggaact	tttaacacca	cagtggatat	caagcttaaa	cagtggactg	ataaacaact	2160
tcctaataaa	gcagtagagg	ttgcttggga	gacctacaa	gaagaatttt	cccgccttat	2220
gacagaaccg	aaagggaag	agcatgatga	catatttgat	aaacttaag	aggccgttaa	2280
ggaagaaagt	attaaacgac	acaagtggaa	tgactttgcg	gaggacagct	tgagggttat	2340
tcaacacaat	gcttttgaag	accgatccat	atctgataaa	cagcaatggg	atgcagctat	2400
ttattttatg	gaagaggctc	tgacaggctcg	tctcaaggat	actgaaaatg	caattgaaaa	2460
catggtgggt	ccagacctgg	aaaaagaggt	ggttataactg	gaagaatcgg	acccaagaac	2520
agtgtgttca	caatgaaacc	aagaatgaat	tggagaagat	gttgaaatgt	aatgaggagc	2580
accagctta	tcttgcaagt	gatgaaataa	ccacagtccg	gaagaacctt	gaatcccag	2640
gagtagaagt	agatccaagc	ttgattaagg	atacttggca	tcaagtttat	agaagacatt	2700
ttttaaaaac	agctctaaac	cattgttaacc	tttgtcgaag	aggtttttat	tactaccaa	2760
ggcattttgt	agattctgag	ttggaatgca	atgatgtggt	cttgttttgg	cgtatacagc	2820
gcatgcttgc	tatcaccgca	aatactttta	ggcaacaact	tacaaatact	gaagttaggc	2880
gattagagaa	aaatgttaaa	gaggtatttg	aagattttgc	tgaagatggt	gagaagaaga	2940
ttaaattgct	tactggtaaa	cgcgttcaac	tggcggagaa	cctcaagaaa	gttagagaaa	3000
ttcaagaaaa	acttgatgct	ttcattgaag	ctcttcatca	ggagaaataa	attaaaatcg	3060
tactcataat	cagctctgca	tacatctgaa	gaacaaaaac	atcaacgtct	tttgtccagc	3120
ctctttttct	tctgctgttc	cacctttcta	aacatacaat	aaagtcattg	gataaaaaata	3180
atcgatgtat	gttacgggcg	ctttaaccat	cagctgcctc	tcgaatggaa	gaacagtgg	3240
aatggattaa	catcctattt	tgttgtacta	aagtgacaaa	tcggaataat	ataattggta	3300
tggccattag	gttcagtcct	tgaagataag	aaacttggtc	tctgtttgtt	gtcttatttg	3360
tgggtggcact	cgtttaatgg	attaactgag	gttgctcaat	gttcagtttc	ttttccagaa	3420
atacaatgct	aggtgttttg	aaataaaaact	tatatagcaa	ttgtttaaag	ttatcaattg	3480
tatataaaat	cacagtagcc	tgctaaatca	ttgtatgtgt	ctgtagtatt	ctattcccag	3540
aaactatttg	accatgataa	ttcagtttat	attcaccaca	tgaagaaaaa	atgggtaaca	3600
gaagaacccc	taaaacaggt	taattttggat	tgtaacgttc	agtgaagaaa	atttcaaccc	3660
ttcatagcca	gcgaagaaat	ttgccttggga	agccaagtca	gtaccagctt	acctatttga	3720
ttcagttgct	gttttctcac	tctctatatc	catttgaaat	tgatttattt	tagatgttgt	3780
atacttacgt	taggctttct	gttaaatagt	gtttttctcc	tgttgacaga	gccaccggat	3840
tatgacacag	gatgaggaag	attaaggata	atcaattgac	taatttcatt	tagaatatta	3900
tcaaacattt	caactaggta	tcagaaaaag	gctttctttc	ataagactat	tttaaataga	3960
aattatttca	acaattaaag	taatgttgac	catccccctg	gcagctgaat	aaagaaaaat	4020
ttagttcaat	ttattgcaat	ttaattacaa	tactaccttc	acaacatttt	catgtgtttt	4080

```

aaataaatat tttttaattg gctaaaggac attcaagcaa agaaatgctt tctttactta 4140
aaatgtctat ctcatTTtgct gcctttttcac taagccttta ctttgTTaat aaaagtgtcc 4200
attgtgtgat gtttttgatt ttacagtttg ctaaacttta ttttcttgga gttgcttttt 4260
ggtaacagcc ccattgctac tccccatttt attgttttac atcaatgcat gcttcgTTgt 4320
gatccctcaa gatgtaacac ttggTatgct cggttgagga tatgaaaaaa tacttccgaa 4380
accaggaatt caatgtatgt ttgttttata ctgtttgata agaaaagtag gtccagcctt 4440
aagcagcaca gatgcgctgg tagatgcata gtcaggaact ttttttattt cttttaggTc 4500
tagggacagg agtgaataga aagggaggag agctctatta tgttctatac acagattagg 4560
agatgacctt actgggtaca cccctctaac cagtgtttac aggttaatgc atgttaatga 4620
atatTTTTgc agttgtaaag cataacaatt acaactacac atctatttct aaagaataaa 4680
acaggaccat atttattttac ttctgtcaac tatagaaaga aagaccttca gctgtatttc 4740
cacagatttc tcccaaggaa aaggctaata ttagtcaacta ctgttatcac atccctttgt 4800
ataagtTTta aaaagagatg gagggagatc ttcatTTctt tgaggagatc agtattgtaa 4860
cgtatgtgaa tagatgataa caattaatat tactaaaagt cccacatgag agtccTgacg 4920
ccctctccaa tgcccccacag taatgtgggc ttctttcatg ggTTTTTTTT tcttcttttt 4980
agctgatctc atcctaagca tgctttattt ttcttgaaa gctaggTatt tatcaactgc 5040
agatgttatt gaaagaaaaat aaaattcagt ctcaagagta aaccctgtgt cttgtgtctg 5100
tagttcaaaa gtcagaaatg attctaattt aaacaaaaag atattaaata tacagaagtt 5160
aaattcgaac tagccacaga atcatttggt tttatgtcag aatttgcaaa gagtggagtg 5220
gacaaagctc tgtatggaag actgaacaac tgtaaataga tgatatccaa acttaatttg 5280
gctaggactt caatttttaa aatcagtgt cctaggcagt gcacagcacg aaataagtgg 5340
cccttgCagc ttccccgttt aaccactgt gctatagttg cgggtggaac agtcaacctt 5400
tctagtagtt tatgatattg ccctctttgt attcccattt tctacagttt tttccgcaga 5460
cttctttctg caaattattc agcctccaaa tgcaaatgaa tgatataaaa ataagtaggg 5520
aaccatggca aagagtggTg cttccccacc tcccaatgtg ggaatttgac gataggatga 5580
gagtcagagt ataggTTtaa aagataaaat ctttagTTaa taattttgta tttatttatt 5640
ctagatgtat gtatctgagg aaagaaatct ggtatttttg ctttccaata aaagaggggg 5700
ggngggngng gaattttcaa aagtaatgtt ttttctctca gttctctaag ctggtcctat 5760
gttatagccc tagcagtatg gaaatgtgcc tttaaaatat gccttacctt ttgaatgatc 5820
atggctatat gttgttgaga tatttgaaac ttaccttggt tttcacttgt gcactgtgaa 5880
tgaactttgt attatttttt taaaaccttc acattacgtg tagatattat tgcaacttat 5940
attttgctg tgcttgatca aaggTcatt gtgtagatga gtaattaaaa aatattttaa 6000
tcacattata attctattat tggagagcat cttttaaat tttttctgtt ttaacgaggg 6060
aaagagaaac ctgtatacct agggTcatta tttgaccca tagtataacc agattcatgg 6120
tctaacaagc tctcagtgtg gcttttctct gaatgcttga atttcacatg ccttgcatTT 6180
cacagttgta ctccatggTc aaccggTgct ttttttcaca tcgtggTact tgtcaaaaaca 6240
ttttgttatt ttcttggtga aaatatataa aaaaggTTTT cttaattttt aaaaaaaaaa 6300
aa 6302

```

```

<210> 6111
<211> 6309
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (74)...(5427)
<223> similar to gi5911999 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

<400>	6111					
gattgtttga	atttgaaaac	ggtaacatcg	cagtgtctgct	cgcggggtctg	gctagtcagg	60
cgaagtttgc	agaatggaat	ctaatttttaa	tcaagaggga	gtacctcgac	catcttatgt	120
tttttagtgct	gacccaattg	caaggccttc	agaaataaat	ttcgatggca	ttaagcttga	180
tctgtctcat	gaatttttcc	tagttgctcc	aaatactgag	gcaaacagtt	tcgaatctaa	240
agattatctc	cagggtttgtc	ttcgaataag	accattttaca	cagtcagaaa	aagaacttga	300
gtctgagggc	tgtgtgcata	ttctggattc	acagactggt	gtgctgaaaag	agcctcaatg	360
catccttggt	cggttaagtg	aaaaaagctc	aggggcagat	gggcacagaa	attcagtttt	420
ttcccaggtt	ttttgggccc	agcaactaca	cagaaggaat	tcttttcagg	ttgcattatg	480
cacccagta	aaagacctct	tgaaggaca	gagtcgtctg	atttttactt	acgggctaac	540
caattcagga	aaaacatata	catttcaagg	gacagaagaa	aatattcgca	ttctgcctcg	600
aactttgaat	gtattatttg	atagtcttca	agaaagactg	tatacaaaga	tgaaccttaa	660
accacataga	tccagagaat	acttaagggt	atcatcagaa	caagagaaaag	aagaaattgc	720
tagcaaaaagt	gcattgcttc	ggcaaatata	agaggttact	gtgcataatg	atagtgatga	780
tactctttat	ggaagtttaa	ctaactcttt	gaatatctca	gagtttgaag	aatccataaa	840
agattatgaa	caagccaact	tgaatatggc	taatagtata	aaattttctg	tgtgggtttc	900
tttctttgaa	atttacaatg	aatatattta	tgacttattt	gttcctgtat	catctaaatt	960
ccaaaagaga	aagatgctgc	gcctttccca	agacgtaaag	ggctattctt	ttataaaaaga	1020
tctacaatgg	attcaagtat	ctgattccaa	agaagcctat	agacttttaa	aactaggaat	1080
aaagcaccag	agtgttgctc	tcacaaaatt	gaataatgct	tccagtagaa	gtcacagcat	1140
attcactggt	aaaatattac	agattgaaga	ttctgaaatg	tctcgtgtaa	ttcgagtcag	1200
tgaattatct	ttatgtgatc	ttgctgggtc	agaacgaact	atgaagacac	agaatgaagg	1260
tgaaagggtta	agagagactg	ggaatatcaa	cacttcttta	ttgactctgg	gaaagtgtat	1320
taacgtcttg	aagaatagtg	aaaagtcaaa	gtttcaacag	catgtgcctt	tccgggaaaag	1380
taaactgact	cactattttc	aagttttttt	aatggtaaag	ggaaaatttg	tatgattgtc	1440
aatatcagcc	aatgttattt	agcctatgat	gaaacactca	atgtattgaa	gttctccgcc	1500
attgcacaaa	aagtttgtgt	cccagacact	ttaaattcct	ctcaagagaa	attattttgga	1560
cctgtcaaat	cttctcaaga	tgtatcacta	gacagtaatt	caaacagtaa	aatattaaat	1620
gtaaaaagag	ccaccatttc	atgggaaaaa	agtctagaag	atttgatgga	agacgaggat	1680
ttggttgagg	cgctagaaaa	cgctgaagaa	actgaagatt	aggggaaact	aaacttcttg	1740
atgaagatct	agataaaaaca	ttagaggaaa	ataaggcttt	cattagccac	gaggagaaaa	1800
gaaaactggt	ggacttaata	gaagacttga	aaaaaaaact	gataaatgaa	aaaaaggaaa	1860
aattaacctt	ggaattttaa	attcgagaag	aagttacaca	ggagtttact	cagtattggg	1920
ctcaacggga	agctgacttt	aaggagactc	tgcttcaaga	acgagagata	ttagaagaaa	1980
atgctgaacg	tcgtttggct	atcttcaagg	atttggttgg	taaattgtgac	actcgagaag	2040
aagcagcgaa	agacatttgt	gccacaaaag	ttgaaactga	agaagctact	gcttggttag	2100
aactaaagtt	taatcaaat	aaagctgaat	tagctaaaac	caaaggagaa	ttaatcaaaa	2160
caaagaaga	gttaaaaaaag	agagaaaaatg	aatcagattc	attgattcaa	gagcttgaga	2220
catctaataa	gaaaataatt	acacagaatc	aaagaattaa	agaattgata	aatataattg	2280
atcaaaaaaga	agatactatc	aacgaatttc	agaacctaaa	gtctcatatg	gaaaacacat	2340
ttaaatgcaa	tgacaaggct	gatacatctt	ctttaataat	aaacaataaa	ttgatttgta	2400
atgaaacagt	tgaagtacct	aaggacagca	aatctaaaaa	ctgttcagaa	agaaaaagag	2460
taaattgaaa	tgaacttcag	caagatgaac	caccagcaaa	gaaagggtct	atccatgtta	2520
gttcagctat	cactgaagac	caaaagaaaa	gtgaagaagt	gcgaccgaac	attgcagaaa	2580
ttgaagacat	cagagtttta	caagaaaaata	atgaaggact	gagagcattt	ttactcacta	2640
ttgagaatga	acttaaaaaa	gaaaagggaag	aaaaagcaga	attaaaataa	cagattgttc	2700
attttcagca	ggaactttct	ctttctgaaa	aaaagaattt	aactttaagt	aaagagggtc	2760
aacaaattca	gtcaaatatt	gatattgcaa	ttgtgtaatt	acatgtgcag	aaaagtaaaa	2820
atcaagaaca	ggaggaaaaag	atcatgaaat	tgtcaaatga	gatagaaact	gctacagaa	2880
gcattacaaa	taatgtttca	caaataaaaat	taatgcacac	gaaaatagac	gaactacgta	2940
ctcttgattc	agttttctcag	atttcaaaca	tagatttgct	caatctcagg	gatctgtcaa	3000
atggttctga	ggaggataat	ttgccaaata	cacagttaga	ccttttaggt	aatgattatt	3060
tggttaagtaa	gcaagttaaa	gaatatcgaa	ttcaagaacc	caatagggaa	aattctttcc	3120
actctagtat	tgaagctatt	tgggaagaat	gtaaagagat	tgtgaaggcc	tcttccaaaa	3180
aaagtcatca	gattgaggaa	ctggaacaac	aaattgaaaa	attgcaggca	gaagtaaaag	3240
gctataagga	tgaaaacaat	agactaaagg	agaaggagca	taaaaaccaa	gatgacctac	3300
taaaagaaaa	agaaactctt	atacagcagc	tgaagaaga	attgcaagaa	aaaaatgtta	3360



ctctttagtgc	tcaaatacag	catgtagtgt	aaggaaagag	agcgctttca	gaacttacac	3420
aaggtgttac	ttgctataag	gcataaatag	aggaacttga	aacaatttta	gagactcaga	3480
aagttgaacg	tagtcattca	gccaaagttag	aacaagacat	tttggaagag	gaatctatca	3540
tcttaaagct	agaaagaaat	ttgaaggaat	ttcaagaaca	tcttcaggat	tctgtcaaaa	3600
acaccaaaga	tttaaattga	aaggaaactca	agctgaaaga	agaaatcaca	cagttaacaa	3660
ataatttgca	agatatgaag	catttacttc	aattaaaaga	agaagaagaa	gaaaccaaca	3720
ggcaagaaac	agaaaaattg	aaagaggaac	tctctgcaag	ctctgctcgt	accagaatc	3780
ctgaacgcag	atcttcagag	gaaggaagaa	gattatgctg	acctgaaaga	gaaactgact	3840
gatgccaaaa	agcagattaa	gcaagtacag	aaagagggtat	ctgtaatgcg	tgatgaggat	3900
aaattactga	ggattaaaaat	taatgaactg	gagaaaaaga	aaaaccagtg	ttctcaggaa	3960
ttagatatga	agcagcggaa	ccattcagca	actcaaggag	cagttaatta	atcagaaaag	4020
ggaagaagct	atacaacagt	atgagagagc	atgcaaagat	ctaaatgtta	aagagaaaat	4080
aattgaagac	atgcgaatga	cactagaaga	acaggaacaa	actcaggtag	aacaggatca	4140
agtgccttga	ggctaaaattg	gaggaagttg	aaaggctggc	cacagaattg	gacagatgga	4200
gggtaaaaatg	caatgatttg	gaaacccaaa	acaatcaaag	gtcaaataaa	gaacatgaga	4260
acaacacaga	tggtgcttga	aagctcacta	atcttcaaga	tgagttacag	gagtcctgaac	4320
agaaatataa	tgctgataga	aagaaatggt	tagaagaaaa	aatgatgctt	atcactcaag	4380
cgaaagaagc	agagaatata	cgaaataaag	agatgaaaaa	atatgctgag	gacagggagc	4440
gttttttttaa	gcaacagaat	gaaatggaaa	tactgacagc	ccagctgaca	gagaaagata	4500
gtgaccttca	aaagtggcga	gaagaacgag	atcaactggt	tgacgcttta	gaaatacagc	4560
taaaagcact	gatattccagt	aatgtacaga	aagataatga	aattgaacaa	ctaaaaagga	4620
tcatatcaga	gactttctaaa	atagaaacac	aatcatgga	tatcaagccc	aaacgtatta	4680
gttcagcaga	tcttgacaaa	cttcaaactg	aacctctatc	gacaagtttt	gaaattttcca	4740
gaaataaaat	agaggatgga	tctgtagtcc	ttgactcttg	tgaagtgtca	acagaaaatg	4800
atcaaagcac	tcgattttcca	aaacctgagt	tagagattca	atttacacct	ttacagccaa	4860
acaaaatggc	agtgaacac	cctgggttgta	ccacaccagt	gacagttaag	attcccaagg	4920
ctcggaagag	gaagagtaat	gaaatggagg	aggacttggg	gaaatgtgaa	aataagaaga	4980
atgctacacc	cagaactaat	ttgaaatttc	ctatttcaga	tgatagaaat	tcttctgtca	5040
aaaaggaaca	aaaggttgcc	atacgtccat	catctaagaa	aacatattct	ttacggagtc	5100
aggcatccat	aattgggtga	aacctggcca	ctaagaaaaa	agaaggaaca	ctacagaaat	5160
ttggagactt	cttacaacat	tctccctcaa	ttcttcaatc	aaaagcaaaag	aagataattg	5220
aaacaatgag	ctcttcaaaag	ctctcaaatg	tagaagcaag	taaagaaaaa	gtgtctcaac	5280
caaaacgagc	caaacggaaa	ttatacacia	gtgaaatttc	atctcctatt	gatatactcag	5340
gccaaagtgt	tttaattggac	cagaaaaatga	aggagagtga	taccagatt	atcaaacgac	5400
gacttcgaac	aaaaacagcc	aaataaatca	cttatggaaa	tgtttaatat	aaattttata	5460
gtcatagtca	ttggaacttg	catcctgtat	tgtaaataata	aatgtatata	ttatgcatta	5520
aatcactctg	catatagatt	gctgttttat	acatagtata	attttaattc	aataaatgag	5580
tcaaaaatttg	tatatTTTTT	taaggctttt	ttataatagc	ttctttcaaa	ctgtattttcc	5640
ctattatctc	acacattgga	tcagtgaaga	tcttaggaaa	gaggctgtta	ttctcattta	5700
ttttgctata	caggatgtaa	taggtcaggt	atttggttta	cttatattta	acaatgtctt	5760
atgaattttt	tttactttat	ctgttataca	actgatttta	catatctgtt	tggtattatag	5820
ctaggattttg	gagaataaagt	gtgtacagat	cacaaaacat	gtatatacat	tatttagaaa	5880
agatctcaag	tctttaatta	gaatgtctca	cttattttgt	aaacattttg	tggttacata	5940
ggacatgtat	atattttacg	ggtatgtgag	atgttttgac	acaggcatgc	aatgtgaaat	6000
acctgtatca	tgagagaatga	ggtatccatc	ccctcaagca	tttttccttt	gaattacaga	6060
taatccaatt	acattcttta	gatcatttaa	aaatatacaa	gtaagttatt	attgattata	6120
gtcactctat	tggtgctatca	gatattaaat	cattcttttt	atcttatttg	tttttgtacc	6180
cattaaccat	cccacctcc	ccctgcaacc	gtcagtaccc	ttaccagcca	ctggttaacca	6240
ttcttctact	ctgtatgccc	atgaggtcaa	ttgattttat	ttttagatcc	cataaattcg	6300
acgcggccg						6300

<210> 6112

<211> 2852

<212> DNA  
 <213> Homo sapiens  
 <220>  
 <221> misc\_feature  
 <222> (2704)...(870)  
 <223> similar to gi5817153 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 6112

tttttttttt	ttccaggaaa	aacgacgttt	tattttcata	aatactcctg	ctctcactca	60
cacactgacc	ccacttctga	ccacggacag	atggatggac	agacgtaaga	cacccatagg	120
aggccccagc	agaggccaat	gaatgaagga	gacacaccga	gaactctagg	tgccccacag	180
cccctcgctg	gggccatggg	cctctggcat	tacccttgag	ccccacagt	ccctcagggg	240
gccaatggc	aaagggaaac	ccccaggagt	acggggcagg	tgaggttccc	ccagcctggc	300
cccctgaggc	tgtgaccaca	gggccaatcc	ggaagaaaag	cagagtcaaa	ccacacacca	360
gagtgcaaat	agctgggggt	gtaggcgctc	ccccccagtc	actgggttcc	tatggaggag	420
gcctaagctg	gtccccagct	ccagcatggc	ccccgagtta	tggctgggcc	ttcccataag	480
gcataagaga	caggtgggga	agaccccacc	ccagctgggg	ttggggctgg	gcctgaggtc	540
ctggcccctt	cccaacagct	gtgcttcctc	cccatgaccc	aagtctctcc	aaggctacac	600
agccccctcc	tctccaggtc	ccggtgatgg	agaccccagc	ggcacaaacc	caggcccagc	660
ctcctactgg	gttttggtca	gcagggggcg	ggccggagca	ggagggggaa	gagtcacttg	720
aggcctacag	gggtgtgggg	agaagcacca	ggcctggggg	tgaatggcca	tgggcaacaa	780
agggtgtcct	tggccaccaa	tgctccctc	caggctggac	agtgaaccgt	ccctctgccc	840
cttcctctcc	ccagcccctc	tgttctagag	gtaccccag	gtttcagggt	gggggaactg	900
gtccacatcc	cccatctcgt	tgtaggctct	gtcacccatg	gtgaagggtg	gcttgtagcg	960
gaggcgaaac	ttctccttct	gggggttggc	aagcagcagg	acctgggtga	ttgctgaggg	1020
gtggacgatg	gggttaaaaag	ctggcagctc	cgtgcccag	ggtggctgca	gcttcacctt	1080
cataaccttg	gggacagctg	actggaacac	gatgttgctg	atgggctggg	gggcggtgct	1140
cagcatggaa	accaccacca	ccagcacgtc	ggagcgccct	ggcagtgggg	cccgggcaaa	1200
atggaagagg	atgcggaagc	cgtgctgggt	atacacagtc	acgggcagga	tgttgctggg	1260
tttgatggac	tccaggggca	cagtgatgct	ggccagtgg	agctcggttg	gtacgggctg	1320
ctgcggaggc	ctggggggct	ctggggacac	ggtgtggaga	aggctggtgg	cgctggagct	1380
gggggagctg	cagctgctgc	tcttattctg	caggctcccg	agtgtgagcc	gggggggttg	1440
ctgctgcttc	tcccaccgca	cttgctggga	ttccgggggc	agcgactgct	gcaggagggt	1500
cttccccagg	aggtctaggt	cgtccagacc	gctgcttgct	ggcagggatg	tctgcgctgg	1560
gggtcggctt	tccatactgg	gggcctgggc	cagagcaggg	gctgggggct	cagtggcatc	1620
cgacgactgg	aagctgttcc	atccgggtacc	atccaggctt	gggcctgaag	ggggtgtggg	1680
gtcactgagg	cccagagaca	tgagctcgct	gtcaagcagg	gaaactgagg	cactgggctg	1740
ctcagggtct	gcctgctcgc	cagggcgggt	gggcatagct	gggtagggtg	tgcccgcagg	1800
cgggagatcc	aggcctgaga	gatccagcag	ggccgagggt	ctcccaggga	tggagccggc	1860
tgtggcatca	ccgttgacct	cctcaccccg	caccagctgc	ttatacaggt	tgatcacctg	1920
ggtgagggtg	tcattggcct	gcaggatctc	cgctaaggcc	tcaatcattg	tcctctgtgt	1980
caactcgccc	agtcggaaaag	agcgtggggc	gcatccgctc	acagcgctgg	taacagttcc	2040
ttcgatgagg	tcctcgctgc	tgccagctgc	tgcgcccggc	tggctgtggc	tcatacccat	2100
ctccgtgagc	agtttcacat	tgttggtcac	ctcctcgatg	gcattcaccc	tcttcgagat	2160
cttctccatc	cgcttctggt	cctcctgcac	catctctttg	atgagcttat	tggctgcgcg	2220
gaggctcttc	ggatgggagc	tcttcagcag	gcgggccagc	atcttggtat	tctcctcatc	2280
ttcaaagatc	acattcttcg	gccgtggagg	aggaagggga	aaggtagtgt	catctggaag	2340
cttggggctg	gactttacaa	tccccctgct	tctttagcat	ctggtaggcc	tctgcgattt	2400
taacctcctc	gggcaggccc	actgtccagc	tgtagaggag	ctccaagatc	ttgttcttca	2460
ccttctccga	tgtccgagag	cccagatact	tgggagacac	gaccttgatg	agctcgttga	2520
gaaagcggaa	cttgcccact	tcgtcgtgga	accgcttgcc	gcagctcttc	atgcatgttt	2580
ccagcacccgt	caaggcctgg	atcgccctccc	actcctgtgg	ggactggatc	ttgtgggcca	2640

gcagccgggt	ggcgagtgga	ggccccctcaa	agtcctcgtt	gagctgctcg	cagaagccgt	2700
tgatgctggc	ccagtcgagc	tccttggttca	gggggttcgt	ggctctattc	gccgtcccag	2760
gggtcatggc	ccagggatcc	gacaggtggg	cggcgccccg	tcccaccgct	ggaccgcgcc	2820
ggggccgggg	tcctccatcg	ctccagacga	aa			2852

<210> 6113  
 <211> 3468  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <221> misc\_feature  
 <222> (468)...(2775)  
 <223> similar to gil296666 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 6113						
ccgacgattt	cgtccctggt	ccgcgagcat	acgtcatcgt	tctcgctttc	cggtagctaa	60
ggcgatcagc	gggacttccc	actgagacga	gcggatgtca	tattgtatca	gggcgaacct	120
ctgaggagcg	ctggctgcgc	ttaagcaacg	gtgcggcagg	cgccgggggt	ttctgaaaca	180
gaaacgttta	ggggtgggga	aacgtgttcc	gaggaactct	cgttttgaag	tgcgagatac	240
acctgtcttg	ccctgttcca	agatgggtgg	agagcttctc	tgagtctctc	gcttcctcca	300
gtccgtcggg	gaagcgctct	ttgattggcc	agtggacagc	gccgtggcat	gacgcgctgg	360
ggcgtgggcc	aatcggttga	gagctgagct	ggacttggcg	gtgggagccg	gagcctgctt	420
gttgcaagctg	tgggtgagga	cggctccggc	cagttccctt	ttagactatg	gcgacatacc	480
tggagtccat	ccagcagaat	gaagaacggg	atggtgtgcg	ttttagttgg	aacgtgtggc	540
cttcagcccg	gctggaggct	acaagaatgg	ttgtacccct	ggcttgtctc	cttactcctt	600
tgaagaacg	tccagacctt	cctcctgtac	aatatgaacc	tgtgctttgc	agcaggccaa	660
cttgtaaagc	tgttctcaac	ccactttgtc	aggttgatta	tcgagcaaaa	ctttgggcct	720
gtaatttctg	ttttcaaaga	aatcagtttc	ctccagctta	tggaggcata	tctgaggtga	780
atcaacctgc	cgaattgatg	ccccagtttt	ctacaattga	gtacgtgata	cagcgagggtg	840
ctcagtcctc	tctgatcttt	ctctatgtgg	ttgacacatg	cctggaggaa	gatgaccttc	900
aagcactcaa	agagtccctg	cagatgtccc	tgagtcttct	tcctccagat	gctctggtgg	960
gtctgatcac	atgtggaagg	atggtgcagg	ttcatgagct	aagctgtgaa	ggaatctcca	1020
aaagtatatg	cttccgaggg	accaaggatt	taactgcaaa	gcaaatacag	gatatgttgg	1080
gcctgaccaa	gccagccatg	cccatgcagc	aagcacgacc	tgcacaacca	caggagcacc	1140
cttttgcttc	aagcagattt	ctgcagccct	gttcacaaga	ttgatatgaa	cctcactgat	1200
cttcttgggg	agctacagag	ggacccatgg	ccagtaactc	aggggaagag	acctttgcga	1260
tccactgggtg	tggctttgtc	catttgctgt	tggcttgcctg	gagggcactt	ttccaaacac	1320
agggagccag	gatcatgctg	tttactggag	gtccccctac	ccaagggcct	ggcatggtgg	1380
ttggagatga	attaaagatt	cctattcggt	cttggcatga	tattgagaaa	gataatgcac	1440
gattcatgaa	aaaggcaacc	aagcactatg	agatgcttgc	taatcgaaca	gctgcaaatg	1500
gtcactgcat	tgatatttat	gcttgtgccc	ttgatcaaac	tggacttttg	gagatgaagt	1560
gttgtgcaaa	tcttactgga	ggctacatgg	taatgggaga	ttctttcaac	acttctctct	1620
tcaagcagac	attccaaaga	atctttacta	aagattttta	tggagatttc	cgaatggcat	1680
ttggtgctac	tttggaagta	aagacctctc	gggaactgaa	gattgcagga	gccattggtc	1740
catgcataatc	tctgaatgtg	aaaggaccgt	gtgtgtcaga	aaatgagctt	ggtgttggtg	1800
gcacgagtca	gtggaaaatc	tgtggcctag	atcctacatc	tacacttggc	atctattttg	1860
aagttgtcaa	tcagcacaac	accccgatcc	ccaaggagg	cagaggagcc	atccagtttg	1920
tcacgcatta	tcagcactcc	agcaccacga	gacgcacccg	cgtgaccacc	atcgcccga	1980

```

attgggcaga tgtacagagt cagctcaggc acatagaagc agcatttgac caggaggctg 2040
cggcagtgtt gatggcacgg cttgggggtgt tccgagcgga gtcagaggag gggccccgatg 2100
tgctccggtg gctggaccga caactcatcc gactgtgtca aaagtttgga cagtataaca 2160
aagaagaccc cacttctttt aggttatcag attccttttc tctatatcct cagtttatgt 2220
tccatctgag aagatctcca tttcttcaag tgtttaacaa cagtcctgat gagtcgtcat 2280
attacagaca tcattttgcc cggcaggacc tgacccagtc cctcatcatg atccagccca 2340
ttctctactc ttactccttt catgggccac cagagccagt actcttgga agcagcagca 2400
ttctagctga cagaattttg ctgatggata ctttctttca aattgtcatt tatcttggtg 2460
agaccatagc ccagtggcgt aaagctggct accaggacat gcccgagtat gaaaacttca 2520
agcaccttct gcaggcacca ctggatgatg ctcaagaaat tctgcaagca cgcttcccga 2580
tgccacgtta catcaacacg gagcatggag gcagtcaggc tcgattcctt ttgtccaaag 2640
tgaacccatc tcagacacac aataacctgt atgcttgggg acaggaaact ggagcaccca 2700
tcctaactga tgaagttagc ctgcagggtg tcatggacca ttgaagaag ctggctgtct 2760
ccagtgcctg ttaagctgag gatacaacca ggaaatgcaa cgggtgcaga ttgtgttcaa 2820
aatgtctaga aaggcttgat aacattcctg ttacttttct agcagatttt aacaaataat 2880
caaggacatt ttatatgtaa ctcttttagat tataatttat ttgtattcct gtctttgtcc 2940
tttttcttgc actataaaat tataagggtca taaatgtttt ggtacttgta gatgtttatg 3000
tgctttttgt atcctaactt ttagaatcta aataaaatca gaggtaatgt attttggcag 3060
cttgtttagg tgagaatctt aatgatcata aaaggaaata aatctagatg cagaaagtac 3120
tggctaaaat attgctaata caaatgtgat ttcttgaggt ctctgtgtga gtgtgtatgt 3180
gttttaagtg acttccttaa gaggtgtttc cctgaaccct aattcccat aattaaagta 3240
atgtatatgc caggatcaaa atgaaacaaa tataccttat ccctaaagag ctcataacaa 3300
ataagttacc tccactctat aaactcagac ctactttttg aagataactg cttttaacct 3360
ctccttacia gatttttgtt gttgatgtat ttaattttag cccatgtctc aattctcatt 3420
ttcaaagaaa tcaatatatt aatatacctt tgggtcaaaaa aaaaaaaa 3468

```

<210> 6114

<211> 1082

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (784)...(123)

<223> similar to gi556642 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 6114

```

tttttttttt ttcatccaac aagaagccat aactttattt atgatagaaa cagtacaaat 60
ttcaaaccac gctgcagtta ctcttttgag acacaaaaaa aagttgcttc catatgggta 120
cattgttaat tccataatcg catttacaat atcattactg ttgttcttca gggctcggac 180
tgcttttgct ctgcacacat ttgcttgtga catgaccaat tctatgtcct taacttctac 240
acctgtttca tcgacctctt cctcttcact ctctcttctg acagttggag tctgtgtgtt 300
ttcttgaatg tttgagacag ctacaccttg aactttgaat ttctcagcag ctgctagtgt 360
tgcttgctgg gataaatctt cgatcttggc ttccccaaaa actatgtaag tatctgaagc 420
agggctcttg tagacatctg gttttgtgat gacaaagagg atattcttag atttccggat 480
agtgactcta gtaactcctg taacctgccg aagaccaggt ttggacatag ccttccgtgc 540
cttcttttca ctccgactct gttttgcttt actgactggg tcttcatcga tttcagctgc 600
tgccgccagc tgggcttgtt gtgtggttgc ctgggtggaa tcctgttctt caagctctgg 660
tactgattca tcaactgtcag attctgttcc agaccctgag atgagaaaca actgtctcag 720

```

cctggggctg	cggcaactcc	tgctctgtag	cagggacggt	ttctgtggct	tgcgcgggca	780
tttctttttc	tggatcctgt	gaagcagttc	ccaaaacaag	acgcactcct	cttcgcgcct	840
caacactgca	actgctccca	tctctgcagg	ctcggattct	gggcccggcc	cgcagccctt	900
ctaccctgct	tttgccagga	caccaaccgc	agaccccatt	ttgtccggag	gcccaggggc	960
gagtaggaac	cctgtggccc	agtaaagcct	ccaactctcc	ttaactctca	gtccccgggg	1020
cggttagacc	cgaaagaaag	gcggatggct	gcggatagac	agtagcggca	cagaaagtac	1080
tt						1082

```
<210> 6115
<211> 2949
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (51)...(2666)
<223> similar to gi458555 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```

<400>	6115					
cggacgcgtg	ggggagtgtc	cctcaggagc	cagccccacc	cttagaaaag	atgtttttcca	60
tgaggatcgt	ctgcctggtc	ctaagtgtgg	tgggcacagc	atggactgca	gatagtgggtg	120
aaggtgactt	tctagctgaa	ggaggaggcg	tgcgtggccc	aagggttgtg	gaaagacatc	180
aatctgacct	caaagattca	gactggccct	tctgctctga	tgaagactgg	aactacaaat	240
gcccttctgg	ctgcaggatg	aaagggttga	ttgatgaagt	caatcaagat	tttacaacaa	300
gaataaataa	gctcaaaaat	tcactatttg	aatatcagaa	gaacaataag	gatttctcatt	360
cgttgaccac	taatataatg	gaaattttga	gaggcgattt	ttcctcagcc	aataaccgtg	420
ataataccta	caaccgagtg	tcagaggatc	tgagaagcag	aattgaagtc	ctgaagcgca	480
aagtcataga	aaaagtacag	catatccagc	ttctgcagaa	aaatgttaga	gctcagttgg	540
ttgatattgaa	acgactggag	gtggacattg	atattaagat	ccgatcttgt	cgagggtcat	600
gcagtagggc	tttagctcgt	gaagtagatc	tgaaggacta	tgaagatcag	cagaagcaac	660
ttgaacaggt	cattgccaaa	gacttacttc	cctctagaga	taggcaacac	ttaccactga	720
taaaaatgaa	accagttcca	gacttggttc	ccggaaattt	taagagccag	cttcagaagg	780
tacccccaga	gtggaaaggca	ttaacagaca	tgcgcgagat	gagaatggag	ttagagagac	840
ctggtggaaa	tgagattact	cgaggaggct	ccacctctta	tggaaaccga	tcagagacgg	900
aaagccccag	gaaccctagc	agtgtctgga	gctggaactc	tgggagctct	ggacctggaa	960
gtactggaaa	ccgaaaccct	gggagctctg	ggactggagg	gactgcaacc	tggaaacctg	1020
ggagctctgg	acctggaagt	actggaagct	ggaactctgg	gagctctgga	actggaagta	1080
ctggaaacca	aaaccctggg	agccctagac	ctggtagtac	cggaaacctg	aatcctggca	1140
gctctgaacg	cggaagtgtc	gggcactgga	cctctgagag	ctctgtatct	ggtagtactg	1200
gacaatggca	ctctgaatct	ggaagtttta	ggccagatag	cccaggctct	gggaacgcga	1260
ggcctaacaa	cccagactgg	ggcacatttg	aagaggtgtc	aggaaatgta	agtccaggga	1320
caaggagaga	gtaccacaca	gaaaaactgg	tcacttctaa	aggagataaa	gagctcagga	1380
ctggtaaaga	gaaggtcacc	tctggtagca	caaccaccac	gcgtcgttca	tgctctaaaa	1440
ccgttactaa	gactgttatt	ggtcctgatg	gtcacaaaga	agttaccaa	gaagtgggtga	1500
cctccgaaga	tggttctgac	tgtcccggag	caatggattt	aggcacattg	tctggcatag	1560
gtactcttga	tgggttccgc	cataggcacc	ctgatgaagc	tgccttcttc	gacactgcct	1620
caactggaaa	aacattccca	ggtttcttct	cacctatgtt	aggagagttt	gtcagtgaga	1680
ctgagttctag	gggctcagaa	tctggcatct	tcacaaatac	aaaggaatcc	agttctcatc	1740
accctgggat	agctgaattc	ccttcccgtg	gtaaatcttc	aaqttacagc	aaacaatttta	1800

ctagtagcac	gagttacaac	agaggagact	ccacatttga	aagcaagagc	tataaaatgg	1860
cagatgaggc	cggaagtga	gccgatcatg	aaggaacaca	tagcaccaag	agaggccatg	1920
ctaaatctcg	ccctgtcaga	gactgtgatg	atgtcctcca	aacacatcct	tcaggtaccc	1980
aaagtggcat	tttcaatatc	aagctaccgg	gatccagtaa	gattttttct	gtttattgcg	2040
atcaagagac	cagtttgga	ggatggcttt	tgatccatca	aagaatggat	ggatcactga	2100
attttaaccg	gacctgggca	agactacaag	agaggtttcg	gcagcctgaa	tgacgagggg	2160
gaaggagaat	tctgggctag	ggcaatgact	tacctccact	tacttaaccc	aaagggggct	2220
tctgttctta	ggggttgga	ttaggagggg	ctggggctgg	gaatgaagct	tatggcagaa	2280
tatcacttcc	gggtaggctc	tgaggctgaa	ggctatgccc	tccaagtttc	ctcctatgaa	2340
ggcactgcgg	gtaatgctct	gattgagggg	tccgtagagg	aaggggcaga	gtacacctct	2400
cacaacaaca	tgcaattcag	cacctttgac	agggattgca	gaccagtggg	aagagaactg	2460
tgcaagaagtc	tatgggggag	gctgggtgga	taataactgc	caagcagcca	atctcaatgg	2520
aatctactac	cctgggggct	cctatgaccc	aaggaataac	agtccttatg	agattgagaa	2580
tggagtggtc	tgggtttcct	ttagaggggc	agattattcc	ctcagggctg	ttcgcatgaa	2640
aattaggccc	cttgtgaccc	aataggctga	agaagtggga	atgggagcac	tctgtcttct	2700
ttgctagaga	agtggagaga	aaatacaaaa	ggtaaagcag	ttgagattct	ctacaacctta	2760
aaaaattcct	aggtgctatt	ttcttatccc	tttgtactgt	agctaaaatg	tacctgagac	2820
atattagtct	ttgaaaaata	aagttatgtt	aaggtttttt	ttatctttta	atagctctgt	2880
ggggttttaa	ccatttttat	taaaggttta	cccaaggggc	cattcagtac	catcagggaa	2940
agtgggcag						2949

<210> 6116  
 <211> 3156  
 <212> DNA  
 <213> Homo sapiens  
 <220>  
 <221> misc\_feature  
 <222> (383)...(1899)  
 <223> similar to gi36619 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 6116	
gcgcggcggt	60
ccgtctctgtg	120
gggcatcgcc	180
gccaccgccg	240
atggctgaag	300
gcctcatccc	360
tcgcgcgccc	420
gacactccga	480
ggatgagagt	540
tggggaactt	600
cttgaagatg	660
gcagtctcca	720
catcaacaag	780
gctgaccctc	840
cctatctgag	900
gggtacctat	960
caaggagatc	1020

cctgctcaag	gacctcaaac	acgccaaacat	cgttacgcta	catgacatta	tccacacgga	1080
gaagtccctc	acccttgtct	ttgagtacct	ggacaaggac	ctgaagcagt	acctggatga	1140
ctgtgggaac	atcatcaaca	tgcacaacgt	gaaactgttc	ctgttccagc	tgctccgtgg	1200
cctggcctac	tgccaccggc	agaaggtgct	acaccgagac	ctcaagcccc	agaacctgct	1260
catcaacgag	aggggagagc	tcaagctggc	tgactttggc	ctggcccagc	ccaagtcaat	1320
cccaacaaag	acatactcca	atgaggtggg	gacactgtgg	taccggcccc	ctgacatcct	1380
gcttgggtcc	acggactact	ccactcagat	tgacatgtgg	ggtgtgggct	gcatcttcta	1440
tgagatggcc	acaggccgtc	ccctctttcc	gggctccacg	gtggagggaac	agctacactt	1500
catcttccgt	atcttaggaa	ccccaaactga	ggagacgtgg	ccaggcatcc	tgtccaacga	1560
ggagttcaag	acatacaact	accccaagta	ccgagccgag	gcccttttga	gccacgcacc	1620
ccgacttgat	agcgacgggg	ccgacctcct	caccaagctg	ttgcagtttg	agggtcgaaa	1680
tcggatctcc	gcagaggatg	ccatgaaaca	tccattcttc	ctcagtctgg	gggagcggat	1740
ccacaaactt	cctgacacta	cttccatatt	tgactaaaag	gagattcagc	tacaaaagga	1800
ggccagcctt	cgggtcttct	cgatgcctga	ctcagccatc	tgctctgctt	tccccacag	1860
gcaggccagc	tttccgctg	gtggacaccg	agttctaagc	cacagaccga	ggccccagca	1920
ggcagcggct	ggagggatgc	cacacccctc	acagggcagc	ccccaaactac	atcttccctg	1980
cttactctct	gcctacctgc	ctgagccatg	ttcacctgcc	cacttgtccc	ctgctgcctg	2040
cccaaacacc	ccaccattgg	cctgtcaacc	cacccattgg	cctgtctgct	gggtgctaac	2100
aaagctctca	tactccttc	acttgggtctg	tctgtctctg	tcttggtagt	tgccggtgga	2160
cagcatggcc	gtgccagcct	cccacactga	ggccaggctc	accccccatc	ataccagccc	2220
ccaggaccac	tacccacagg	ccagccaggg	gtccagagct	agcccaggct	ggggatctcg	2280
actcagacaa	gatggtgaca	atgccttgag	tctgaggcat	cctctgcctg	ctttcctgcc	2340
tgccccacct	gcctcatatt	gtgtgggcct	ttttttgttt	gtttcattca	ttgttttttt	2400
tttttaaata	atttaaaagg	aaatttttgt	tttttttaaa	ggcaatatatt	ttgtatacag	2460
actggctggg	cccccccccc	tgccgggggg	cctcccacag	tattttgggg	aaggaacccc	2520
tgctcccacc	ctttcagaga	cggggacaca	gcccctatatt	ggaaccctga	tcatcacaag	2580
aacctgggaa	ttggctatgg	gaaagcatgc	cacagccact	cgccttccta	ccccgcgccg	2640
ccatcccaa	gttgcaaggg	ggatctgggg	actaccaaga	gactctggga	aatggacaag	2700
gtggggggcc	ccactctttc	tctactgcag	taccgtagct	ggggcctccc	ttccttctca	2760
gggtctcccc	cagccccagt	cccctttgct	ccccatcccc	aactcggttg	cttgtttggg	2820
gttagggggc	ccttgccaag	gaactgacca	agcttcagcg	aggagccaat	aatgtgcata	2880
tgtgcacaag	caggggttgg	ggaggggggt	gtgaggggtt	gtgccccagg	tggtgcccc	2940
tatctcctgg	ggaggggtgag	gcagggcagg	gacagtctcc	agggtcagtc	cctggatggg	3000
tggttacctc	cccttcctcc	accctaagcc	ctggggccct	gaaatggggg	gggagggcag	3060
gggtgggagc	cctcctagt	ggtttggggg	gttgggttcc	tgaatgcacc	ataatcgctg	3120
tatgaaatat	taaaaagtct	aaagtgaaaa	aaaaaa			3156

<210> 6117  
 <211> 5470  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(5471)  
 <223> n = a,t,c or g

<220>  
 <221> misc\_feature  
 <222> (27)...(4394)  
 <223> similar to gi2230888 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

```

<400> 6117
tttcgtgggc tgtaggcgcc aaggccatgt ccgactcgtg ggtcccgaac tccgcctcgg 60
gccaggacccc aggggggccgc cggagggcct gggccgagct gctggcggga aggggtcaaga 120
gggaaaaata taatcctgaa agggcacaga aattaaagga atcagctgtg cgcctcctgc 180
gaagccatca ggacctgaat gcccttttgc ttgaggtaga aggtccactg tgtaaaaaat 240
tgtctctcag caaagtgatt gactgtgaca gttctgaggc ctatgctaata cattctagtt 300
catttatagg ctctgctttg caggatcaag cctcaaggct gggggttccc gtgggtattc 360
tctcagccgg gatggttgcc tctagcgtgg gacagatctg cacggctcca gcggagacca 420
gtcacccctgt gctgctgact gtggagcaga gaaagaagct gtcttccctg ttagagtttg 480
ctcagtatatt attggcacac agtatgttct cccgtctttc cttctgtcaa gaattatgga 540
aaatacacag ttctttgttg cttgaagcgg tgtggcatct tcacgtacaa ggcattgtga 600
gcctgcaaga gctgctggaa agccatcccg acatggcatgc tgtgggatcg tggctcttca 660
ggaatctgtg ctgcctttgt gaacagatgg aagcatcctg ccagcatgct gacgtcgcca 720
gggccatgct ttctgatttt gttcaaatgt ttgttttgag gggatttcag aaaaactcag 780
atctgagaag aactgtggag cctgaaaaaa tgccgcaggt cgcggttgat gtactgcaga 840
gaatgctgat ttttgcactt gacgcttttg ctgctggagt acaggaggag tcctccactc 900
acaagatcgt gaggtgctgg ttccgagtggt tcagtggaca cacgcttggc agtgtaattt 960
ccacagatcc tctgaagagg ttcttcagtc ataccctgac tcagatactc actcacagcc 1020
ctgtgctgaa agcatctgat gctgttcaga tgcagagaga gtggagcttt gcgcggacac 1080
accctctgct cacctcactg taccgcaggc tctttgtgat gctgagtga gaggagtgg 1140
ttggccattt gcaagaagtt ctggaaacgc aggaggttca ctggcagaga gtgctctcct 1200
ttgtgtctgc cctggttgtc tgctttccag aagcgcagca gctgcttgaa gactgggtgg 1260
cgcggttgat ggcccaggca ttccgagagct gccagctgga cagcatgggt actgcgttcc 1320
tggttgctgc ccaggcagca ctggagggcc cctctgcgtt cctgtcatat gcagactgg 1380
tcaaggcctc ctttgggagc acacgaggct accatggctg cagcaagaag gccctggtct 1440
tctgttttac gttcttgtca gaactcgtgc cttttgagtc tccccgtac ctgcaggtgc 1500
acattctcca cccaccctg gttcccggca agtaccgctc cctcctcaca gactacatct 1560
cattggccaa gacacggctg gccgacctca aggtttctat agaaaacatg ggactctacg 1620
aggatttgct atcagctggg gacattactg agccccacag ccaagctctt caggatgttg 1680
aaaaggccat catggtgttt gagcatcacg ggaacatccc agtcaccgtc atggaggcca 1740
gcatattcag gaggccttac tacgtgtccc acttccctcc cgccctgctc acacctcgag 1800
tgctcccaa agtccctgac tcccggtgg cgtttataga gtctctgaag agagcagata 1860
aaatccccc atctctgtac tccacctact gccaggcctg ctctgctgct gaagagaagc 1920
cagaagatgc agccctggga gtgagggcag aacccaactc tgctgaggag cccctgggac 1980
agctcacagc tgcactggga gagctgagag cctccatgac agaccccagc cagcgtgatg 2040
ttatatcggc acaggtggca gtgatttctg aaagactgag ggctgtcctg ggccacaatg 2100
aggatgacag cagcgttgag atatcaaaga ttcagctcag catcaacacg ccgagactgg 2160
agccacggga acacatggct gtggacctcc tgctgacgtc tttctgtcag aacctgatgg 2220
ctgcctccag tgtcgctccc ccggagaggc aggggtccctg ggctgccctc ttcgtgagga 2280
ccatgtgtgg acgtgtgctc cctgcagtgc tcacccggt ctgccagctg ctccgtcacc 2340
agggcccag cctgagtgcc ccacatgtgc tggggttggc tgccctggcc gtgcacctgg 2400
gtgagtccag gtctgcgctc ccagaggtgg atgtgggtcc tctgcacct ggtgctggcc 2460
ttcctgtccc tgcgctcttt gacagcctcc tgacctgtag gacgaggat tcttgttct 2520
tctgcctgaa attttgtaca gcagcaattt ctactctct ctgcaagttt tcttccag 2580
cacgagatac tttgtgcagc tgcttatctc caggccttat taaaaagttt cagtccctca 2640
tgttcagatt gttctcagag gcccgacagc ctctttctga ggaggacgta gccagcctt 2700
cctggagacc cttgcacctt ccttctgcag actggcagag agctgccctc tctctctgga 2760
cacacagaac cttccgagag gtgttgaaag aggaagatgt tcaacttaact taccaagact 2820
ggttacacct ggagctggaa attcaacctg aagctgatgc tctttcagat actgaacggc 2880
aggacttcca ccagtgggag atccatgagc actttctccc tgagtccctg gcttcagggg 2940
gctgtgacgg agacctgcag gctgcgtgta ccattcttgt caacgcactg atggatttcc 3000
accaaagctc aaggagttat gaccactcag aaaattctga tttggtcttt ggtggccgca 3060
caggaaatga ggatattatt tccagattgc aggagatggg agctgacctg gagctgcagc 3120
aagacctcat agtgcctctc ggccacaccc cttcccagga gcacttcctc tttgagattt 3180

```



tccgcagacg	gctccaggct	ctgacaagcg	ggtggagcgt	ggctgccagc	cttcagagac	3240
agagggagct	gctaattgtac	aaacggatcc	tcctccgcct	gccttcgtct	gtcctctgcg	3300
gcagcagctt	ccaggcagaa	cagcccatca	ctgccagatg	cgagcagttc	ttccacttgg	3360
tcaactctga	gatgagaaac	ttctgctccc	acggagggtg	cctgacacag	gacatcactg	3420
cccacttctt	cagggggcctc	ctgaacgcct	gtctgcggtg	cagagacccc	tccctgatgg	3480
tcgacttcat	actggccaag	tgccagacga	aatgcccctt	aattttgacc	tctgctctgg	3540
tgtggtggcc	gagcctggag	cctgtgctgc	tctgccgggtg	gaggagacac	tgccagagcc	3600
cgctgccccg	ggaactgcag	aagctacaag	aaggccggca	gtttgccagc	gatttcctct	3660
cccctgaggc	tgctcccca	gcacccaacc	cggactggct	ctcagctgct	gcactgcaact	3720
ttgcgattca	acaagtcagg	gaagaaaaca	tcaggaagca	gctaaagaag	ctggactgcg	3780
agagagagga	gctattggtt	ttccttttct	tcttctcctt	gatgggcctg	ctgtcgtcac	3840
atctgacctc	aaatagcacc	acagacctgc	caaaggcttt	ccacgtttgt	gcagcaatcc	3900
tcgagtgttt	agagaagagg	aagatatcct	ggctggcact	ctttcagttg	acagagagtg	3960
acctcaggct	ggggcggtctc	ctcctccgtg	tggtcccgga	tcagcacacc	aggctgctgc	4020
ctttcgcttt	ttacagtctt	ctctcctact	tccatgaaga	cgcggccatc	agggaagagg	4080
ccttcctgca	tgttgctgtg	gacatgtact	tgaagctggt	ccagctcttc	gtggctgggg	4140
atacaagcac	agtttcacct	ccagctggca	ggagcctgga	gctcaagggt	cagggcaacc	4200
ccgtggaact	gataacaaaa	gctcgtcttt	ttctgctgca	gttaataacct	cggtgccccga	4260
aaaagagctt	ctcacacgtg	gcagagctgc	tggtgatcg	tggggactgc	gaccagagg	4320
tgagcgccgc	cctccagatg	cagacagcag	gctgccctg	acgtgtact	gtcccaggag	4380
cctcatctct	tctgacggga	cctgccactg	cacaccagcc	cagctcccgt	gtaaataatt	4440
atattcccag	cataacatgg	aagctctttg	ttgcactaaa	aagtggatta	caaatctcct	4500
cgactgcttt	agtggggaaa	ggaatcaatt	atztatgaac	tgtccggccc	cgagtcactc	4560
agcgtttgcg	ggaaaataaa	ccactggtcc	cagagcagag	gaaggctact	tgagccggac	4620
accaagcccc	cctccagcac	caagggcggg	cagcacccctc	cgaccctccc	atgcgggtgc	4680
acacgaagg	tgaggctgac	acagccactg	cggagtccag	gctgctagag	gtgctcatcc	4740
tcactgccgt	cctcaggtgg	gttcgggctt	caccgcctgg	ccctctgtgg	tcacagagg	4800
gctcgggtgg	ccaggtggtg	gttcgcgcctc	caggggcagg	gccttgctct	gggtctgtgt	4860
cagcgggtgc	accatggaca	tgtgtacatt	gaggttgtgg	gccttctcaa	accgccggcc	4920
acactgggtca	caggcaaagt	ccagctcagt	ctcagccttg	tgtttgggtca	tgtggtactt	4980
gagggatgcc	cgctgcctgc	actggaacct	acagacctca	cacctggggg	acagaggcag	5040
ataaaaagg	gcgagggcca	cagccctggg	gggggtcctg	actcacactt	actgcaaagg	5100
cttggtctcc	gaatgtcgca	tttgggtggac	gagaagggtgc	ttccgctgct	tgaaggtttg	5160
tccacattcg	tcacagatat	agttccgcac	ctctgagagg	ggagagtcca	gtgagtccag	5220
gccctgatg	ctccaacctc	ccgggggggac	gacgatgaca	atgtgaaacc	atcacagctg	5280
ggaagacatt	tctgcacatg	gttcaccatg	cagtgggccc	aagcaagggg	cctatgagg	5340
cctcgtttat	taagatcttt	aaactgcttt	atacactgtc	acgtggcttc	atcagctgtg	5400
tgcatttcag	gatggttttt	aaagaaacct	cagaaagcta	tttccttaac	cacaaaanan	5460
aaaaaaaaa						5470

<210> 6118

<211> 3773

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (3431)...(1563)

<223> similar to gi972940 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 6118

tagaaattgc	catttggcct	gctagaaagg	aaaagtgaaa	ggatgatatt	ctgcaattct	60
gactaatgaa	atttatttat	aaacattaag	taatgctgat	gttctagtaa	tattctctgc	120
acacttattc	tttaagaaac	ttttgcctga	aaacagacac	tgagaatttt	tatatgattt	180
atttaataat	aaaccaatta	aagatacaaa	aatgtttaga	ggattccaaa	atttaaattt	240
ttgtttaaat	acaaattcac	tctgtaatat	gaaaacatag	cattagacct	ctaaacataa	300
tgattttttt	catctacaaa	aatttctgtt	atactagaaa	atttgcagaa	gacatttttt	360
tcttgtgaca	ttaaatgtac	attattttaca	gttgaaaaag	taatctaaaa	acatttccatt	420
tcagaaagtt	ggataatata	gttatctttg	tatgcaaccc	cccccaagtc	cgccccagtc	480
aaaaaatgat	ccaaaatata	aagcaattat	gctttttata	ctgactactc	agccagatta	540
gcccaaggct	caagttgctt	tcttggccct	taagaaagag	tcttgactct	ctcaaaatag	600
cagtattctg	tttagcactt	agcaacacaa	gtttactaat	ggaccgcaaa	gcacagtggc	660
ctaaagagtt	agtaaacaaa	ttatttagga	agaatttatg	gcagatctta	cccataacag	720
atgaataaat	tttgttgggt	cacttatttc	tctgcaacat	tttagctatt	cttacattag	780
gaaataacct	gataatgatt	taattgacat	aacttgaaaa	tataggtatt	agaattaaaa	840
aaattagaac	tagaagagaa	agtgtgtgat	atctagtcta	atccaatata	tctcttcctt	900
ttatgagagg	aactaaagcc	caaagaggtc	aagattacat	agctagttag	tgggagtgcc	960
attcttaggc	tgatgctttt	atactatcct	gcttctgaaa	cagggtcagc	cataccacca	1020
gcacctccaa	tttttcatgt	tattctacat	attcatagtt	ctatattata	tagtgacgtc	1080
aactaaagtc	aatctaagtg	acaccataat	tttaacaaag	cataaaatag	gttttttgca	1140
tttgaaagag	tcaagactta	acttacacaa	gtggaatgaa	aatagttcct	atataaattt	1200
cctgtttgct	tctattttaag	ttctgtattt	acaaaagaat	cagaaaatct	aatacaatgt	1260
aaaattagaa	aagaaacttt	aaaaatgctt	atgatatagc	aactgaaata	aaaatctcaa	1320
agaatgtct	tcatagtgtg	aaatgcctgt	tccttcacga	ttgaattctg	aaacatttag	1380
ataacaaaga	gaaacagttg	agttttcctc	cctcatctaa	caaagtcaaa	attaactcta	1440
tttttaacaa	ttacaaaatt	agaaacctcc	ttagaattta	tcttagaatc	agtcagtctg	1500
catataattg	aaaatgttca	attaacaaac	aattattcat	aagctttggg	atattaacta	1560
aaaagagttg	ggttccagca	gttcgttttg	tttcatagct	acctgagaag	taaattccatt	1620
ggaactggac	actaccatca	cataaggctg	tggctgctgc	tccgttttct	cagtgttctc	1680
tttcaaatga	tcttcagatt	cctttttctc	tacttctctg	gtaagagttt	ttgtttcttg	1740
agttttgata	actgaagtga	ttacagtgcc	agggtgggtga	gcaaccagct	gtgaacttcc	1800
gaggagaaaa	agggtcacca	cagggtgcagt	agccactgaa	ggatggagag	gaagcccaca	1860
ctgacggttc	cattgcaaat	ggctctgaaca	ttgctagtaa	ggacctgctg	aaacctgggc	1920
agggcccaag	acaattgaag	gaggagagcc	cgctttttgt	gactgcagca	tgacattttc	1980
tttcagttact	gtcatgggct	gtgatgatgg	aatggcttgt	aaaataaaact	tctgagatcc	2040
agtacctgct	gatggatctg	tgctggctat	aactgttgtg	agtggcactg	tttggagtgt	2100
tactgtatgc	aaactgctga	ttcctaggag	acacaaccac	tggaaacttg	gttggagcct	2160
gtatagtccc	taatactctg	aacggaagaa	tttaatgttt	catcctgcat	ggtactgggt	2220
ctagctgctt	ctccctctgg	gacagcctgt	actggctgta	ctacatgaac	agtccggaag	2280
agctgggtag	gatattggaga	ctgcgtgggc	tgcactgtcc	tcaaaacttc	tgatggttgt	2340
gcaacttcca	caggatcttt	gggttttgca	gcttttagaat	tccctgggtt	tagaactgta	2400
gtggctcctc	cttttacccc	tggacttgaa	gatactctcg	accggctggg	ttgattccta	2460
tttgaagtgg	ctgatgaaga	tagcgatgga	tctgaagact	ctatgctgga	acttggatcc	2520
tcatcattta	tatatataag	atcttttggc	atttctttta	actgatacac	caagcgctga	2580
ccttccactt	ttgccagaat	accccttttg	taatagtacc	tgagtgtctc	tcccatgggc	2640
tcataattca	tatcagggtt	tgtttttgtg	cttcgcgcac	aacctggaca	ctggttttaga	2700
atccaccaat	ttaaaaatgc	ctttctctcg	ctgggtccac	ttgatgtatt	taggacaagt	2760
agccttgtcc	tggagcagtg	ccagtaaaaa	ctcccaaaga	taaattgtgt	ttccctttcc	2820
atctttgttt	ttcttcttca	cagatatatt	tggcgtagtg	gctggggaat	ctggctcgtg	2880
tggtttagtt	tttcttccct	ttttcctctt	aggctgttct	ggtgatgagg	ctcccggtga	2940
gtctgcata	ttttcttgca	cctgctgtgt	ttccatcact	tcaggaatcc	catctaattg	3000
gacggacaca	tgggtgactg	gggcaacaac	catgtcatct	tcaggtgaac	taaataatatt	3060
attattttatt	cgtttttcat	ccagcatagg	gccaggggaa	tccatattga	ggagtgcctc	3120
agcagcctca	atagtttcaa	ttgtttcatc	cccgatcatga	caagaagctt	caactgtaag	3180
ggtgatgtca	tcatcatcat	cgtctatgat	ttcttcttca	gcaacatcca	gtgaactctc	3240
agtaatcatg	tcattgggct	cttccacaca	ggctagaccg	gcataactat	tgagaatatc	3300



<400>	6120					
tttcgtccag	aaggaaggtg	gggatgccgg	gagcggggcg	agcggggcggg	ggttgtcagt	60
ccgatctcgc	gagagaggac	ggaagcctgt	gggagcccgt	ggcctttaaa	gtgccgttca	120
gccttttctc	ccagggggtgc	tttgtaaaca	cggctgtgct	cagggtcgc	gggtgaccga	180
aaggatcatg	aactagtgc	ctggaaaggg	tactagatgg	aaacttgaga	aaggactgct	240
tattgataac	agctaaggta	ttcctggaag	cagagtaaat	aaagctcatg	gccaccagc	300
tagaaagtat	tcttgccatg	agaaaaagaa	tgtgataagt	tattcaactt	atgaaattca	360
agttacatgt	gaattctgcc	aggcaataca	aggacctgtg	gaatatgagt	gatgacaaac	420
cctttctatg	tactgcgcct	ggatgtggcc	agcgttttac	caacgaggat	catttggtctg	480
tccataaaca	taaacatgag	atgacactga	aatttggtcc	agcacgtaat	gacagtgtca	540
ttgtggctga	tcagacccca	acaccaacaa	gattcttgaa	aaactgtgaa	gaagtgggtt	600
tgtttaatga	gttggcgagt	ccatttgaga	atgaattcaa	gaaagcttca	gaagatgaca	660
ttaaaaaat	gcctctagat	ttatcccctc	ttgcaacacc	tatcataaga	agcaaaattg	720
aggagccttc	tgttgtagaa	acaactcacc	aggatagtcc	tttacctcac	ccagagtcta	780
ctaccagtga	tgagaaggaa	gtaccattgg	cacaaactgc	acagcccaca	tcagctattg	840
ttcgtccagc	atcattacag	gttcccaatg	tgtgctttac	aagttctgac	tcaagtgtaa	900
ttattcagca	ggcagtaact	tcaccaacct	caagtaactgt	aatcaccagg	gcaccatcct	960
ctaacagccc	aattgtccct	tgaccagggc	ccatttctct	ttctgttaca	tcttcctaatt	1020
gggacaaaacc	atgcctgttg	gctattcctg	gcatcaatta	caagttctaa	tgtgcattgtt	1080
ccagctgcag	tcccactcgt	tcgaccagtc	accatggtgc	ctagtggtcc	aggaatccca	1140
ggtccttctc	ctccccaaacc	agtacagtca	gaagcaaaaa	tgagattaaa	agctgctttg	1200
accagcaac	atcctccagt	taccaatgg	gatactgtca	aagggtcatgg	tagcggattg	1260
gttaggactc	agtcagagga	atctcgaccg	cagtcattac	aacagccagc	cacatccact	1320
acagaaactc	cggcttctcc	agctcacaca	actccacaga	cccaaagtac	aagtggctcgt	1380
cggagaagag	cagctaacga	agatcctgat	gaaaaaagga	gaaagttttt	agagcgaaat	1440
agagcagcag	cttcaagatg	ccgacaaaaa	aggaaagtct	gggttcagtc	tttagagaag	1500
aaagctgaag	acttgagttc	attaaatgg	cagctgcaga	gtgaagtcac	cctgctgaga	1560
aatgaagtgg	cacagctgaa	acagcttctt	ctggctcata	aagattgcc	tgtaacgcc	1620
atgcagaaga	aatctggcta	tcatactgct	gataaagatg	atagttcaga	agacatttca	1680
gtgccgagta	gtccacatac	agaagctata	cagcatagtt	cggtcagcac	atccaatgga	1740
gtcagttcaa	cctccaaggc	agaagctgta	gccacttcag	tcctcaccca	gatggcggac	1800
cagagtacga	agcctgctct	ttcacagatc	gttatggctc	cttctctcca	gtcacagccc	1860
tcaggaagtt	gattaaaaac	ctgcaggaca	acagttttag	atactcatta	gtgacttcaa	1920
agggaaatca	aggaagacc	agttccatt	tatgcgaatt	ctgtggttgt	aaattttttt	1980
ttttacttga	aattaaattt	ggctctaaag	ttggtgtagc	agcagttgat	cgagctgaaa	2040
aacggttttt	agtctctgga	aaaagactga	ttttgctttt	tttataaata	ttattagatt	2100
tattaatttt	tctgtgctca	atgtgtaaat	tgtattataa	ttcattgtga	tttatttcac	2160
ttttaatttg	ctgggtgttt	aataaatggg	gggtgttact	tgaatctttc	ttcccacttc	2220
catttctttt	gaccacccct	taaccctcaa	ctgtgacgg	agtaggtatt	atccattttat	2280
accaagttt	tgcatagtcc	ctggtgactt	tgtaatgtta	acggagtcac	aaaagcacta	2340
ggcaagagaa	agatagaaat	ttgcttttaa	tctttttgcc	ttttattttg	cacattatgc	2400
aaaagggaaa	acattaaagg	acactttttt	ttaagtga	aaaacatgg	aaagacatac	2460
agtgccttta	tgcacattgt	taagctaaat	caaggtcatt	tataatcatt	ttcctttttt	2520
atttaagatt	ttaagtaaac	aaatttttaga	atttttcagca	tttcaaaaat	gattttattt	2580
ttcaagtctt	aaattcaata	ttttacacct	atgttttgag	gctaaaaata	tgaattata	2640
taatgtatga	tacagggtta	tcaaatatct	aataattttt	gaaattagct	cttgtttttg	2700
gtttttttgt	tgttgttttt	acagatttca	ggttacaaac	tgcaaagttt	atgcataatt	2760
aagtattgga	tgggttgccag	aaaagcctaa	aattactact	tagaaaattt	aagactgttt	2820
acccccattg	tcttgtactt	gcagctaac	ttgtactatt	cttgtgaaag	cactgtcatc	2880
tttttagtagc	aaattttgat	aatgtttctc	gtggaaaaaa	aaatcagtat	ctatcttttag	2940
aacaatgtaa	ttataatgtg	ggaagtgtgc	atgaatgaga	gagagtgtgtg	gtgtatctgt	3000
gtgtgtgtgc	gcgtgtgtgt	gtgtctttta	atagtttatg	ccagcaatct	tgtcctgaat	3060
gtttaacgat	gccttcagtg	tgatgctggc	caatagatga	ttgcagttta	aaatgtcatt	3120



gtgggcatgc	cacaatttct	actgcaatta	cagcttcttc	cagtaccagt	ataagtggta	1140
gtttatttga	caaaagaaga	cttttgattg	gtcagccact	cccaaataaa	atgactgtat	1200
ttccaaagaa	taaaagttca	actgattttt	cttcttcagg	agatggaaac	agtttttata	1260
ctcagtgggg	aatcaagaa	accagtaata	gtggaagggg	aagagtaatt	caagatgcag	1320
aagaaaggcc	acattctcga	taccttcgta	gagcttattc	ctctgataga	tctggcactt	1380
ctaatagtca	gtctcaagca	aaaacatata	caatggaacg	atgtcactca	gcagaaatgc	1440
tttcagtgtc	caaaagatca	ggaggagggtg	aaaatgaaga	gagggtactca	cccacagaca	1500
acaatgccaa	catttttaac	ttcttttaag	aaaagacatc	cagtagttct	ggatcttttg	1560
aaagacctga	taacaatcaa	gcactctcca	atcatctttg	tccaggaaaa	actccttttc	1620
catttgcaga	cccgcacact	cagactgaaa	ccgtacaaca	gtggtttggg	aatctgcaaa	1680
taaatgctca	tttaagaaaa	actactgaat	atgacagcat	cagcccaaac	cgggacttcc	1740
agggccatcc	agatttgcag	aaggacacat	caaaaaatgc	ctggactgat	acaaaagtca	1800
aaaagaactc	tgatgcttct	gataatgcac	attctgtaaa	acagcaaaat	accatgaaat	1860
atatgactgc	acttcacagt	aaacctgaga	taatccaaca	agaatgtggt	tttggctcag	1920
atcctctttc	tgaacagagc	aagactaggg	gtatggagcc	accatggggg	tatcagaatc	1980
gtacattaag	aagcattaca	tctccgttgg	ttgctcacag	gttaaaacca	atcagacaga	2040
aaaccaaaaa	ggctgtgggtg	agcatacttg	attcagagga	ggtgtgtgtg	gagcttgtaa	2100
aggagtatgc	atctcaagaa	tatgtgaaag	aagttcttca	gatatactagt	gatggaaata	2160
cgatcactat	ttattatcca	aatgggtgggt	agaggttttc	ctcttgctgg	atagaccacc	2220
ctcacctact	tgacaacatc	agtaggggtac	agcttttgac	aatttaccag	aaaaataactg	2280
gcgaaaatat	caatatgctt	ccagggtttgt	acagcttgta	agatctaaat	ctcccaaaat	2340
cacttatttt	acaagatatg	ctaaatgcat	tttgatggag	aattctcctg	gtgctgattt	2400
tgagggtttg	ttttatgatg	gggtaaaaat	acacaaaaca	gaagatttca	ttcagggtgat	2460
tgaaaagaca	gggaagtctt	acacttttaa	aagtgaagt	gaagttaata	gcttgaaaga	2520
ggagataaaa	atgtatatgg	accatgctaa	tgagggtcat	cgtatttgtt	tagcactgga	2580
atccataatt	tcagaagagg	aaaggaaaac	taggagtgtc	ccctttttcc	caataatcat	2640
aggaagaaaa	cctggtagta	ctagttcacc	taaggcctta	tcacctctc	cttctgtgga	2700
ttcaaattac	ccaacgagag	atagagcatc	tttcaacaga	atggtcatgc	atagtgtctgc	2760
ttctccaaca	caggcaccaa	tccttaatcc	ctctatgggt	acaaatgaag	gacttgggtc	2820
tacaactaca	gcttctggaa	cagacatctc	ttctaatagt	ctaaaagatt	gtcttcctaa	2880
atcagcacaa	cttttgaaat	ctgtttttgt	gaaaaatggt	ggttgggcta	cacaagttaa	2940
ctagtggagc	tgtgtgggtt	cagtttaatg	atgggtccca	gttggttggtg	caggcaggag	3000
tgtcttctat	cagttatacc	tcaccaaattg	gtcaaaaaca	ctagggtatg	gagaaaatga	3060
aaaattacca	gactacatca	aacagaaatt	acagtgtctg	tcttccatcc	ttttgatggt	3120
ttctaattccg	actcctaatt	ttcattgatt	aaaactcctt	tcagacatat	aagtttaata	3180
aataactttt	ttgttgactt	tcaagtaaag	tgattttttt	taatttttaac	ataaagtctt	3240
cagaaagcct	ttctatggaa	aggaatttta	acctataatg	taaagggatg	tattctgagg	3300
ggaacaaggc	aggaatggaa	acttgagggtc	acttactaaa	tatagtggat	ataaaataga	3360
acacccgacc	ttgcccccta	gacccataac	cccccgacc	ttacctatgt	tcatatatct	3420
gtattgaaca	attcttttaa	aagcaaaaat	gtaaatgatg	tgtagtttat	ttgtgctttt	3480
attgtttttc	ctgctgtctca	gacatgtttga	gaatcatgga	caaaacctgc	tgggaattttg	3540
gaattttttga	agatgtaaat	aatgtgtatt	tatgttataa	gtaacatatg	taaacatgta	3600
tatttgtttt	atattttatt	ttgtaacacc	agtgtctgat	gaaacatttt	tgcaaatgca	3660
ttttataaaa	aaataaatat	agtgataagt	tacattatct	tttgattcat	ttaattaaat	3720
acttattttt	aaataactta	ccagttaaact	cactttttta	attttgttgc	ctgttgagga	3780
gccaatataa	ttttaaatat	taatttttgc	aatgttaaat	acattgtttc	tctattatct	3840
gaaaa						3845

<210> 6122  
 <211> 2846  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (2748)...(1342)  
 <223> similar to gi4680665 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 6122

aataggaatc	cttttctcaag	gaatgagttg	tgacctgttt	actgtctctt	tagaagaaaa	60
actccactgg	aaaccattca	ccatgtgtga	ttgtcttctg	ttatcatttg	tcttacaggc	120
ggctattgca	gacggctaata	ttatgcttaa	cttaggaaga	gataaggcaa	gagctagatt	180
tttttcatgt	gatcttttcc	aagcttcaac	ttaacttaac	tacatttctc	tgtagatga	240
tgtctcttac	ttctacaggt	tccttgagca	ccaaagatga	ttcattactt	ctgtataggt	300
gacagctgct	tataaaagca	tcttagcaga	taagcctatt	aaaattgtgc	ttttgtaaca	360
atgttgtggt	tgctagaata	aataccatta	acaaatgcct	tttgagtatg	cttgatagtg	420
cttttgtttt	ggattcactt	tttatgcttt	aaccttcatt	tgctcttaga	aacccaaaac	480
acaataaagt	acagaataag	accttagtaa	taacattcag	aattttctta	aattgcatgt	540
ctgagtgttc	taaaaatttt	tcaacatttc	cctttcacaa	gtgacttatt	cccccagtta	600
agttattcac	ggtttcaccc	cacagcgtga	ggggcagata	gaaaaaaaaa	aaaaggaaac	660
atcactaccg	aattgaaagt	aggggtataat	actaagttca	caggaaatca	agaaaaaatg	720
acatacctga	aatctctctt	ttggtaaaat	ctatttcagg	tgcataccac	ccctttcccg	780
gaaaagaaca	gataacctct	tggttatttt	aatggggcag	gatcagaaga	ggaggtgtgg	840
gatgctaact	catgttagat	cacacaagca	taataaaatac	caagctatgc	ttgataaaat	900
gaacgtaagg	caaaagtgtt	acagtctctg	attttaatga	gtcaatctca	aggcaaagct	960
ataacctttt	ccatgtgaac	cttaaaacgg	aaatcctacg	tgtttggtct	agctaccata	1020
gacatgtctt	gccccagagt	tccagtgtat	ttttcacctt	tagtttcttg	gctcctctcc	1080
gcctctacac	cagcctcata	tccacacggg	atgctctctg	ctgagtattg	tcttgagtta	1140
gttctccctc	tcatgttctg	gctgatgcta	ctcatggtea	tagtatcacc	tgagggggaa	1200
ggagtatgct	atgaagggtga	aaaatgctac	catagcattt	tgtttgttta	taaaatgtca	1260
ggccctgggt	ccatttttcc	cccctcttat	atctaaattt	tgaaaccact	ggcctctaac	1320
agtctgtagt	aggcttaagt	tcaagggtgcc	atttgcttct	ctgggtgcctg	tttgtgagcc	1380
aaatagagga	agagtatgct	agagagagcg	ctgaccagga	agatcacatc	aaaccaacgg	1440
tgatagaagt	tgaactgcag	ttctccaagg	acttcagtga	ttatgggtgcg	gtattctaaa	1500
ggcatactca	ttcggatcag	cagcacagag	gagacaaagt	acatgccctg	taagtcaaata	1560
gaattaatcc	agaagtgact	cattatctgt	gctaatagca	ggacaatgac	attggaggac	1620
ttactgctag	agatggcata	aaagaacttg	gtaagagtga	tcagcaatcc	tctgatggat	1680
gtgacgatga	ttattccaac	aagaatgaag	gaaatgtgtt	gggacaaaaa	cttcacatca	1740
aattggattc	ccagataaatt	cacagtgatc	tcaatgcctc	ttgtgacagg	atccggtttc	1800
ccaactcgat	caaaaacaat	attgatggta	gccatgaaaa	ttttccaaac	acagtaaata	1860
gagaaaaagt	aaccaagaaa	attaaaaattt	ttcccccttga	agggttttgga	gtattctatt	1920
ctctccttgg	tagcatatag	atcagctgtt	tccagaaaaa	gctgcctgct	taattcttcc	1980
aaagcatcca	cttcctgttg	aataagagta	agattttcac	ttcctgatgc	tgaagtggta	2040
acacttttta	tatttcccca	gaaacctgat	ggtttggtat	gcacttcccc	cttctggaac	2100
attgttctcc	gtgccattgc	catccttttc	tttttgctta	tgatcatatc	catggtttgc	2160
agcagtcgcc	gttccagggc	tagaataatcc	gtgtcagtea	cattcctgag	gaagtaagac	2220
atgtaagtgt	atgggcagtt	gacagcacca	aatccagaaa	gaagagccat	gagagtcact	2280
ccaatcacac	caaccgggct	gatgagctgt	tctatggata	agatcccatg	ttttgggctg	2340
agaatgggaa	agggatctcc	tagtttccag	aagaaataca	taaaggctcag	ccataagaga	2400
caggaaaaaa	gcagtcgttg	tttattgcag	tagtcggata	ttgctcacaa	taaaataggc	2460
caattgtaaa	aaaggcacca	ttggaaaacc	aggatcagca	gaattacaca	caggttcatt	2520
ttccagtga	aataacggga	gctgctattc	aatactccta	agatttcaaa	gatgatgagc	2580
tcaaacatgg	tgcaagaaaa	tgcaaacgtc	acggagaaga	tcacctgtac	aacatactga	2640
cgtatctcat	agtctttaaa	caattggcgc	atgaagaaaa	gccacccaaa	tccaaaaaat	2700
agtatctggg	aggtaatcat	gatgctggag	tcgatgagga	aactcatggc	gaagtgtgag	2760
gaaggctcct	gcctccactt	cccactcccc	gaggccacag	cacgctcgac	aggccccctc	2820

09483735.013100

acacgggtctg ccttctccca ggtgct

2846

<210> 6123  
<211> 1875  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(1876)  
<223> n = a,t,c or g

<220>  
<221> misc\_feature  
<222> (147)...(1248)  
<223> similar to gi704441 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 6123  
cggcgcgcgc cccgcgcctgg gcgcgcgtcc cctctctccg ctccctccct ccctgctcca 60  
actcctcctc cttctccatg cctctgttcc tctgtctctt acttgctctg ctccctgctgc 120  
tcgaggacgc tggagcccag caaggtgatg gatgtggaca cactgtacta ggccctgaga 180  
gtggaacctt tacatccata aactaccac agacctatcc caacagcact gtttgtgaat 240  
gggagatccg tgtaaagatg ggagagagag ttgcacatca atttggtgac ttgacattg 300  
aagattctga ttcttgtcac ttttaattact tgagaattta taatggaatt ggagtcagca 360  
gaactgaaat aggcaaatac tgttgtctgg gggtgcaaat gaaccattca attgaatcaa 420  
aaggcaatga aatcacattg ctgttcatga gtggaatcca tgtttctgga cgcggatttt 480  
tggcctcata ctctgttata gataaacaag tttttctaga tctaattact tgtttggaca 540  
ctgcatccaa ttttttgga cctgagttca gtaagtactg cccagctgg ttgtctgctt 600  
ccttttgctg agatatctgg aacaattccc acatgggata tagagattcc tcgccattgt 660  
gccatggcct ggtgtgccat gccaggagta gtgtccaaac acgttgggag gcccaaataca 720  
gtgttgtaat tagtaaaggt attccctatt atgaaagttc tttggctaac aacgtcacat 780  
ctgtggtggg acacttatct acaagtcttt ttacatttaa gacaagtgga tgttatggaa 840  
cactggggat ggagtctggt gtgatcgcg atcctcaaat aacagcatca tctgtgctgg 900  
agtggactga ccacacagg caagagaaca gttggaaacc caaaaagcc aggctgaaaa 960  
aacctggacc gccttgggct gcttttgcca ctgatgaata ccagtgggta caaatagatt 1020  
tgaataagga aaagaaaata acaggcatta taaccactgg atccaccatg gtggagcaca 1080  
attactatgt gtctgcctac agaatcctgt acagtgatga tgggcagaaa tggactgtgt 1140  
acagagagcc tgggtgtggag caagataaga ttttcaagg aaacaaagat tatcaccagg 1200  
atgtgcgtaa taactttttg ccaccaatta ttgcacgttt tattagagtg aatcctaccc 1260  
aatggcagca gaaaattgac atgaaaatgg agctgctcgg atgtcagttt attcctaaag 1320  
gtcgtccctc ccaaaacctt accaacctcc acctcctcgg aacagcaatg acctcaaaa 1380  
cactacagcc cctccaaaaa atttagccaa aggtcgtgac ccaaaattta cgcaacgcac 1440  
tacaacctcg cagtagcaat gaatttcctg cacagacaga acaacaact gccagtctg 1500  
atatcagaaa tactaccgta actccaaatg taaccaaaga tgtagcgtg gctgcagttc 1560  
ttgtccctgt gctggtcatg gtccctacta ctctcattct catattagt tgtgcttggc 1620  
actggagaaa cagaaagaaa aaaactgaag gcacctatga cttaccttac tgggaccggg 1680  
caagttggtg gaaaggaatg aagcagtttc ttctgcaaa agcagtgtac catgaggaaa 1740  
ccccagttcg ctatagcagc agcgaagtta atcacctgag tccaatataa gtcaccacag 1800  
tgctgcaggc tgactctgca gagtatgctc aaccactggt aggaggaatt gttggtacac 1860

0948735\_013100



<210> 6124  
 <211> 1734  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <221> misc\_feature  
 <222> (160)...(1624)  
 <223> similar to gi5916108 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 6124

ggcacgaggg	gccgcagctc	ctccggctct	gcaggggtcac	ggaggaagcc	agctccccta	60
gtccaggccg	agcttgcaact	tgcgtcttgt	ctgctgctgc	tgaaccaaga	tttagctgtg	120
cgccctcctt	gcagtctcct	ggaaccagca	ggaggaaaca	tgggggatac	tggcctgaga	180
aagcggagag	aggatgagaa	gtcgatccag	agccaagagc	ctaagaccac	cagtctccaa	240
aaggagctgg	gcctcatcag	tggcatctcc	atcatcgtgg	gcacatcat	tggctctggg	300
atcttcgttt	cccccaagtc	tgtgctcagc	aacacggaag	ctgtggggcc	ctgcctcatc	360
atatgggcgg	cttgcggggt	cctcgcgacg	ctgggtgccc	tgtgctttgc	ggagcttggc	420
acaatgatca	ccaagtcagg	gggagagtat	ccctacctga	tggaggccta	cgggcccata	480
ccgcctacc	tcttctcctg	ggccagcctg	atcgtcatta	agcccacgtc	cttcgccata	540
atctgcctca	gcttctccga	gtatgtgtgt	gcgccttctt	atgtgggctg	caagcctcct	600
caaatcgttg	tgaaatgcct	ggcgcgcggc	gccatcttgt	tcatctcgac	agtgaactca	660
ctgagcgtgc	ggctgggaag	ctacgtccag	aacatcttca	ccgcggccaa	gctggtgatc	720
gtggccatca	tcatcatcag	cgggctgggtg	ctcctggccc	aaggaaacac	aaagaatttt	780
gataattctt	tcgaggcgcg	ccagctgtct	gtgggagcca	tcagcctggc	gttttacaat	840
ggactctggg	cctatgatgg	atggaatcaa	ctcaattaca	tcacagaaga	acttagaaac	900
ccttacagaa	acctgccttt	ggccattatc	atcgggatcc	ccctggtgac	ggcgtgctac	960
atcctcatga	acgtgtccta	cttcaccgtg	atgactgcca	ccgaactcct	gcagtcccag	1020
gcggtggctg	tgacatttgg	tgaccgtggt	ctctatcctg	cttcttggat	cgttccactt	1080
tttgtggcat	tttcaaccat	cgggtgctgct	aacgggacct	gcttcacagc	gggcagactc	1140
atttacgtgg	cgggcccggga	gggtcacatg	ctcaaagtgc	tttcttacat	cagccgtcag	1200
gcgcctcact	ccagcccccg	ccatcatctt	ttatggtatc	atagcaacga	tttatatcat	1260
ccctggtgac	ataaactcgt	tagtcaatta	tttcagcttt	gctgcatggc	tgttttatgg	1320
cctgacgatt	ctaggactca	tcgtgatgag	atttacaagg	aaagagctgg	aaaggcctat	1380
caaggtgccc	gtagtcatte	ccgtcttgat	gacactcatc	tctgtgtttt	tggttctggc	1440
tccaatcatc	agcaagccca	cctggggagt	acctctactg	tgtgctgttt	atattaaggc	1500
ggccttttat	tttacttctt	gtttgtccac	tacaagtttg	gatgggctca	gaaaatctca	1560
aagccgatta	ccatgcacct	tcagatgcta	atggaagtgg	tcccaccgga	ggaagaccct	1620
gagtaacaag	ctccgtctct	tgtagccaag	tcagctgaat	ttattttctt	aagcaatatt	1680
tgtggttatt	tcttcctttt	tttctacga	ataaaatata	ctcagatggt	taaa	1734

<210> 6125  
 <211> 4344

<212> DNA  
 <213> Homo sapiens  
 <220>  
 <221> misc\_feature  
 <222> (47)...(2448)  
 <223> similar to gi3882273 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 6125

tttcgtgcct	gtcggctgac	gtgtctgcag	ttcctccgcg	tctactgcga	gtcaggccgt	60
gatggcggac	gcctgggaag	agattagggc	gttggcggcc	gacttccagc	gggcgcagtt	120
cgccgaggcc	acgcagaggt	tgtccgagcg	gaactgcatt	gagattgtta	ataaattgat	180
tgctcagaaa	cagctagaag	tagttcatat	actcgatgga	aaggaatata	ttactccagc	240
ccaaattagt	aaagaaatga	gagatgagct	acatgtccga	ggtggtcgag	taaacattgt	300
tgatctacaa	caggtaatta	atgtggacct	gattcatatt	gaaaatagaa	ttggtgacat	360
tattaaatca	gaaaagcatg	ttcagttagt	gttgggacaa	ctgatagatg	agaattatth	420
ggatcgggtg	gcagaagagg	tcaatgataa	attgcaagaa	agtggtcagg	tcaccatatt	480
agaactgtgt	aaaacttatg	atcttcctgg	gaactttctg	acacaggcac	taactcagcg	540
acttggtaga	attatcagtg	gacatattga	tcttgataat	agaggagtaa	tttttacgga	600
agctttttgta	gctcgacata	aagcacgtat	ccgtggacta	ttcagtgcta	ttacccggcc	660
tacagctgtg	aattctttga	tttcaaaaata	tggatttcag	gagcagcttc	tttactctgt	720
gcttgaggaa	cttggttaata	gcggacgctt	acgaggcact	gtggtttggtg	ggagacagga	780
taaagctgtg	tttgtccctg	acatctactc	caggacacag	agtacttggg	tggattcctt	840
tttcaggcag	aatggctatc	tagaattttga	tgctttgtcc	agacttggaa	tcccagatgc	900
tgtaagctac	ataaagaaaa	gatataagac	tacacaactc	ttgtttttga	aagcagcttg	960
tgttggtcaa	ggacttgtgg	atcaagtggg	agcatcagta	gaagaagcca	tcagctctgg	1020
aacatggggt	gatattgcac	ctctgctacc	cacttcttta	tcagttgaag	atgctgccat	1080
attgcttcag	cagggtgatga	gggcattcag	caaacaggcc	tcaactgtag	tctttagcga	1140
cactgttgta	gtcagtgaag	aattttataa	atgactgtac	agaactgttc	cgtgagctga	1200
tgaccagaaa	agctgaaaag	gaaatgaaaa	ataatcctgt	gcatttaatc	actgaagaag	1260
atctgaaaca	aatctccact	ttagaaaagc	ttagtacaag	taaaaaggat	aaaaaagatg	1320
agcgaagaag	gaaagcaaca	gagggcagtg	gaagcatgag	aggaggaggt	gggggcaatg	1380
ccagagagta	caaaattaaa	aaagtcaaga	agaaagggaag	aaaagatgat	gatagtgatg	1440
atgaatctca	atcatcccat	actggaaaga	agaagccaga	gatcagtttt	atgttccagg	1500
atgagattga	agatttttta	agaaaacaca	tacaagatgc	ccctgaggag	tttatttcgg	1560
aacttgctga	gtacttaata	aaacctctta	ataaaactta	tctcgagggtg	gtacgttcag	1620
tattcatgtc	ttcaacaact	tctgcttctg	ggacgggcag	aaaacgcaca	atcaaggact	1680
tgcaagaaga	agtttcaaac	ctgtacaata	acattagggt	atttgaaaaa	gggatgaagt	1740
tttttgagaa	tgacacacag	gctgctctta	ccaaacactt	gctgaagtca	gtgtgtactg	1800
atatcactaa	cctcattttc	aacttcttag	cttcggattt	aatgatggca	gtagacgatc	1860
ctgcagccat	tacaagtga	ataagaaaga	aaattttaag	taaattatca	gaagaaacca	1920
aagtagctct	tacaaaactc	cataactctc	tgaatgaaa	gagcatagaa	gattttatth	1980
cttgtctgga	ttctgcagca	gaagcttggt	atattatggt	gaaaagggga	gacaaaaaaa	2040
gggaaagaca	gatactgttc	caacatcgac	aagcactggc	tgaacagcta	aaggtcacag	2100
aagaccctgc	tcttattctg	cacctcacat	cagtcctggt	gtttcagttt	tcaaccacaca	2160
gcatgctcca	tgacacctga	agatgtgtcc	cacagatcat	tgcttttctt	aatagtaaaa	2220
ttccagagga	tcagcatgct	cttttggtta	agtatcaagg	tttggttgta	aagcagctag	2280
tcagtcaaag	taagaagact	gggcagggag	attatccctt	gaataatgaa	ttagacaaag	2340
aacaagaaga	tggtgccagt	actactcgta	aagagcttca	agaactttct	tcatccatta	2400
aagaccttgt	tctcaaactc	aggaaatcat	ctgtgacgga	agagtaatga	tcttaattta	2460
catttgtcat	atagtaagca	ttttccccc	aggttgaagg	tgagtgggtca	caaaaaagta	2520
gtcactatac	aactcccttc	tccctgcaaa	aaccacctca	tacacacaca	attcagttaa	2580
aacagtagta	ttgtattaaa	tgtaaatctt	aaaaagatgt	gaatttttgt	aaattggggt	2640

```

cttcatggaa gtttttttcc acctgatttt cacacaaata ctatatgaaa tttttcacat 2700
tattttcaca taatttttaa aattacatat ttcagggtttg ttctctttcc aaatggtgaa 2760
tgaaaaacaa attttccaat ccatttatcc ctggggaagg attcatttgt tgcgagtgcc 2820
agtatactta aatgtatact ttatatacat ttaagcagaa atttaaaatg tggctctttt 2880
tttttaaaag aaacacttct gtgtcagaaa tgaaaaataa tcatgttttt tattttttaa 2940
tagaaagcac ttcaaaacta aaatacagaa atttacaaaa aagaaaaatt attactaagc 3000
ccttgctctt atttttggca gaataaacat tgatttttgt tggggctgca aggatgcctt 3060
tacagggtgca caagaacgct agagtggccc atgcattgct gtgttctctt ctaaaacaag 3120
ctactaacia gagagagaac acatgcaatt tattaccagt aagcataagt catatttaac 3180
attggaataa ctaagcattt tatacaaaga tttttctttg acccagtttg catttgta 3240
ttttattttt ttagttcaac agctgctctg tcacataata ctttgtaaat actagtgtga 3300
aaaacagata ggatgccttt tccagtggta ggagcatctg taagtgcatt taaatcatta 3360
gaagcttttt tcccaaaacc tagaaaccct tattaaaaaa tagacatttt tttctaaaga 3420
ttattagtta aaaataacta aaagagtccc ttagagtaat catttcaacc aaatgaattt 3480
caagcaacia cttacttact atttatcaaa aagggtttta attattttga atataattat 3540
aaattaaatt tcaaatattt aaaaatacta ttttatataa ttctttatga catttttaac 3600
tttatatttt aaaatatatt aatacgaaaa gatcagtcta cctctactcc attctagaca 3660
aagtattaat ccttagtgaa agtaattaat taaattgcc aactggcatt attattaaac 3720
ttgataggaa cgcaacatta aatttaaaaa tgttttcccg tgggtaattt tctattatat 3780
attttcatat gggcaaaggg aaaaaatgat aaatcctctg taatcacaaa ccccaatttc 3840
gttttgttta ttcagcttct aaaatatatt acacccagac ttttaattca acctttaaga 3900
accttatcat ttatgtttca gtagatatca aagtaatcca tgtttggtgc aaatgatcat 3960
agaaaaataa tagaagagac agtgaagcaa gtaaaaagaa aagcattgtt ttaatttggt 4020
tgcattaatt tttttcattt gtcaaaatgc ttcttttggt gccacgagta aagaacagtt 4080
tttattgttt tgtaagtaaa attacgtagc tgattttgta tgtaaagatt aatttccata 4140
ataaaaaatta ttgtatgttt actgtgatct taatgggcag ggtaaagaaa gttattttaa 4200
ataaagttac ctattctact aaattttata gtactttgaa gcttctatta attaacacaa 4260
agattaattg gtgcatatat tttatatata tacattttga attctcattt tgaacattat 4320
taaaggattt tatttttctt acac 4344

```

```

<210> 6126
<211> 2209
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(2210)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (80)...(1131)
<223> similar to gi5102636 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

```

```

<400> 6126
gagaagggag aagcaggatc ccctggtgct ccggggcagg aatggaaaca cggggaagaa 60
nccctggaat cccagagatt tccctggaaa ccgaggatta atgggcccaa aaggagaaaa 120
ttgggcctcc caggacagca aggaaaaaaa ggagccccag ggatgccctg gtttaatggg 180

```

aagcaatggc	tcaccaggcc	agcctggaac	accgggatct	aaggggaagca	aaggtgaacc	240
tgggaattcaa	gggatgcctg	gggcttctgg	gctcaaggga	gaaccaggag	caacgggttc	300
cccaggagaa	ccaggatata	tgggtttacc	cgggattcaa	ggaaaaaagg	gggacaaagg	360
aaatcaaggt	gaaaaaggta	ttcagggtca	aaaggagaga	aatggaagac	agggaattcc	420
agggcaacag	ggaattcaag	gccatcatgg	tgcaaaagga	gagagaggtg	aaaagggaga	480
acctgggtgtc	cgagggtgcca	ttggatcaaa	aggagaatct	ggggtggatg	gcttgatggg	540
gcccgcaggt	cctaaggggc	aacctgggga	tccagggtcct	cagggacccc	caggtttgga	600
tgggaagccc	ggaagagagt	tttcagaaca	atttatttga	caagtttgca	cagatgtaat	660
aagagcccag	ctaccagtct	tacttcagag	tggagaatt	agaaattgtg	atcattgcct	720
gtcccaacat	ggctccccgg	gtattcctgg	gccacctggg	ccgataggcc	cagagggtcc	780
cagaggatta	cctggtttgc	caggaagaga	tgggtgttct	ggattagtgg	gtgtccctgg	840
acgtccaggt	gtcagaggat	taaaaggcct	accaggaaga	aatggggaaa	aaggagacca	900
agggtttggg	tatcctggag	aacaagggtc	tccgtgtccc	ccagggtccag	agggccctcc	960
tgggaataagc	aaagaagggtc	ctccaggaga	cccagggtctc	cctggcaaag	atggagacca	1020
tggaaaacct	ggaatccaag	ggcaaccagg	ccccccaggc	atctgcgacc	catcactatg	1080
ttttagtgtg	attgccagaa	gagatccgtt	cagaaaagga	ccaaactatt	agtgtctgat	1140
gcctcattca	gcagcctagg	catggtgctt	tttctgtggt	cttttgcata	tcaggaagat	1200
aaccaacagt	aatcccttga	aaagaaactt	aagtacctcg	gcgtttttat	tttttttttc	1260
ttatggaaaa	aaatataaaa	gatcacatat	actgatttta	aaggctcctc	agtcatttgg	1320
agcccttgga	ttagcagcat	taattaaatc	tcaagggttt	cttgtaaagt	ccatttatgt	1380
taatcaaagt	tgaatataaa	aatccaccat	tgctgttag	ccagtcagtt	ttagtcactg	1440
tgaaatatatt	cacattcagc	ctccatgcag	tagagatttg	agtttaattt	catgtccatg	1500
tgactttcat	gtttcctatc	tcatagctca	tgctactaca	taagccaaaa	catgtatctc	1560
atcatttgaa	gtaagatcag	ggctgatatt	cacctgggat	agacagtatt	ggtgaactac	1620
tcattttacta	cagtgtctca	gccttgataa	agggcagtg	attgcctggt	gttcggtggt	1680
gtgaatagca	cctctgaata	agattagagt	gtttcttaat	tcattttcaa	ctctaaaatt	1740
agattaatgg	tgggtgctaag	aaagagtatt	aattactttg	ggaatggtca	aaattaacat	1800
taaaaacatt	ttagacaaaa	agtttcattg	tacattcaaa	gaaaatgtaa	gtttggaagt	1860
actaaaagac	tattttatac	ttgttgatta	atcggaatgt	ttgttgtag	ccttcatttt	1920
ccatttctact	tatatgtgta	tgtccatata	tgttaatttt	cattgtagca	aagctaattg	1980
aaataaagct	aatgctctag	ttgaaagaaa	aggaaaactc	cctgaaatcc	tagaatgtct	2040
tgttatttttt	agctgactgt	aaaatattat	gaacagtcct	tgtgtattgt	gcttaattgct	2100
tttgtaagaa	acagaatttg	aaatatattca	tccttgtcat	gctcaaaaatt	ttgttacatg	2160
cttgttatttc	agagtataat	aaagttttgt	acaggcctga	aaaaaaaaa		2209

<210> 6127

<211> 2002

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (558)...(1439)

<223> similar to gil707567 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 6127

tttttttttt	tttttttgct	agttttatatg	aaagaccatt	tttaatatga	aaagagaaaa	60
acaatttgaa	ggccccacaa	tttgttgtgt	aacaacataa	tttcaagtaa	agtgaatgtg	120
attaaaacat	cttgatttca	caaagccatt	cagaggaggc	ttcgacaaac	gcaaagcgta	180

cccaaaccct	ggaggggtcac	atcccggctg	ctacaaacct	cggcggggcg	gccccgtct	240
tgcggctcgg	gacagcgag	actatgcagg	ggccgcaggg	gaccacgcag	attggcacgc	300
ccgttcccca	tccccgcagc	gcgtctgcac	cggagactct	gcggggattg	tagccggagg	360
gcgggcccgg	ctccgaggcg	ctgctcaggc	attggggttt	gtcctcatga	gctccacgtc	420
ggcgtgcacc	atctccctca	ccagctcatc	gaaagcgacc	cggggcttcc	agttcagctt	480
ctgtttcgct	ttggtgcagt	cgccctgcag	aaagtcctcg	gcggcagcgt	gcgaccctct	540
ttctaacgcg	gccgtggatg	tttcttcccg	ggccgcagcc	aagcgcgggt	cttcctgggc	600
ggtggctttg	ggcttttctg	acccacagtc	aagtcagttc	acgtcgcctc	ccgcacacac	660
gcgttcataa	aacgaaactg	gagtttcacg	aagcaattct	taggcttagc	gtccaggaac	720
gctgtagacg	gtctattcta	ttctacccct	attctactcg	gttcgattct	gttcctaaga	780
aaatgccgat	ctcgacccac	ttgtacttcc	acgagcggag	ctgcagccag	cagctctgca	840
ggaccccgcg	ctgcccgcga	ccgtcccctc	tggcagtgcc	ttcctcctcc	cgctttcccc	900
aactgtctca	ctcgaggaaa	ccggaggaca	ggttcagctc	actgaaaggg	gtcccaacag	960
aggtgaagat	ccaagaaatg	acgaagctgg	gccacgagct	gatgctgtgt	gcgccagatg	1020
accaggagct	cctcaagggc	tgtgcctgcg	cccagaagca	gctacacttc	atggaccagt	1080
tgtcgcgatac	catccggagc	ctgaccattg	ggtgctccag	ttgctcgagc	ctgatggagc	1140
acttcgagga	caccaagggt	caagaacgag	gccttgctgg	gggagctctt	ctctaagccc	1200
ccaacctgca	gatgctcctg	aatccagagt	gcgaccctg	ggcccctgga	catgcagccc	1260
ctcctcaaca	agcagagtga	tgactggcag	tgggccagtg	cctctgcca	gtccgaggag	1320
gaggagaagc	tggcggacgt	tgccaggcag	ctgcaggaga	gtgctgcca	ggtgcacgcg	1380
cttagaacgg	agtactttgc	acagcatgag	caaggggccc	ctgcgggcag	cacgaccatc	1440
agcacccctag	accagaagct	gcgtctggtc	acttccgact	tccaccagct	aatcttggtc	1500
tttctccaag	tctacgacga	cgaagctggg	cgagtgtctg	caagcgccca	ggccctgacc	1560
tccccacccc	tgcggccccc	atcaatccca	ggccacgcac	caagaatctt	gacttcctac	1620
agccaactgc	tgcaagtggg	catgacagtt	gctgacacct	ctgcgaaggc	cgtggagacc	1680
gtgaagaagc	agcaaggccg	agcagatctg	ctgggggtgg	agcagctccg	tcatgagtct	1740
agctaccaag	atgaatgaac	taatggagaa	atagaaagtc	ttcagtgcat	ggcctacgcc	1800
aaagcacagg	atggggcggg	caggaagccc	tctcccaaga	tcgagttggc	cgaggatgga	1860
tgattgtggc	agcagaagcc	gttgacagccc	cacgttggtc	tctaggcagg	gacctttggc	1920
ccctttgggg	agggggggac	cagacggggc	gggtttggac	ttgggacaca	aagaaagcct	1980
tggtttttta	gcaaaaaaaaa	aa				2002

<210> 6128

<211> 3060

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (111)...(2148)

<223> similar to gi3559910 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 6128

tttcgtgcag	aaccgcgggc	cggttgagtc	ctctccagcc	gcgagaggcg	ggctccagcc	60
gcggctcgcg	cgctcgtct	gagccccgc	gccaggtgg	gatggaagaa	gcctgtcagg	120
tgcagacaac	taagcgaggg	gacctcatg	agttaagaaa	catatttcta	cagtatgcca	180
gtactgaggt	tgatggagag	cgttacatga	cccagaaga	ctttgttcag	cgctatcttg	240
gactgtataa	tgatccaaat	agtaacccaa	agatcgtgca	gctcttgga	ggagtagctg	300
atcaaaccaa	ggatggggtg	atctcctatc	aagagttttt	ggcatttgaa	tctgttttat	360

gtgctccaga	ttccatgttc	atagtggctt	tccagttggt	tgacaagagt	ggaaatggag	420
agggtgacatt	tgaaaatgtc	aaagaaat	ttggacagac	tattattcat	catcatatcc	480
cttttaactg	ggattgtgaa	tttatccgac	tgcattttgg	gcataaccgg	aagaagcatc	540
ttaaactacac	agaattcacg	cagtttctcc	aggagctgca	attggaacat	gcaagacaag	600
cctttgcact	caaaagacaaa	agcaaaagt	gcatgatttc	tggctctggat	ttcagtgaca	660
tcattggttac	cattagatct	cacatgctta	ctccttttgt	ggaggagaaac	ttagtttcag	720
cagctggagg	aagtatctca	caccaggtta	gcttctccta	cttcaatgca	tttaactcgt	780
tactgaataa	catggagcct	gttcgtaaga	tatatagcac	tctagctggc	acaaggaaaag	840
atgctgaagt	cacaaaggag	gaatttgccc	agagtgccat	acgctatgga	caagccacac	900
cactagaaaat	tgatattcta	tatcagcttg	cagacttata	taatgcttca	gggcgcttga	960
ctttggcaga	tattgagaga	atagcccat	tggctgaggg	ggccttacct	tacaacctgg	1020
cagaacttca	gagacagcag	tctcctgggt	taggcaggcc	tatctggctc	cagattgccg	1080
agtctgctta	cagattcact	ctgggctcag	tgtctggagc	tgtgggagcc	actgcagtgt	1140
atcctataga	tctggtgaag	acccgaatgc	aaaaccagcg	tggctctggc	tctgtgtgtg	1200
gggagctaata	gtacaaaaaac	agctttgact	gttttaagaa	agtcttgctg	tatgagggtc	1260
tctttggact	ctacaggggt	ctgataccac	aacttatagg	ggttgctcca	gaaaaggcca	1320
ttaaaactgac	tgttaatgat	tttgttcggg	acaaatttac	cagaagagat	ggctctgttc	1380
cacttccagc	agaagtctct	gctggaggct	gtgctggagg	ctctcaggtc	atttttacca	1440
acccattgga	gatagtgaag	attcgtctgc	aagtagctgg	agagatcacc	acgggaccca	1500
gagtcagcgc	cctgaatgtg	ctccgggact	tgggaatttt	tggctctgtat	aagggtgccca	1560
aagcgtgttt	cctccgagac	attcccttct	ctgcaatcta	ttttcctgtt	tatgctcatt	1620
gcaaaactact	tctggctgat	gaaaatggac	acgtgggagg	tttaaactct	cttgcagctg	1680
gagccatggc	aggggtgtccc	agctgcatct	ctggtgaccc	ctgctgatgt	catcaagaca	1740
agactgcagg	tggctgcccg	cgctggccag	acgacatata	gtggtgtcat	cgactgtttc	1800
aggaagattc	tcccgggaag	aagggccctc	agcatttttg	aaagggactg	cagctcgagt	1860
gtttcgatcc	tctccccagt	ttgggtgtta	ccttggtcac	ttatgaactt	ctccagcggg	1920
ggttttacat	tgatttttga	ggcctcaaac	ccgctgggtc	agaaccaaca	cctaagtcac	1980
gcattgcaga	ccttcctcct	gccaaacctg	atcacatcgg	tggatacaga	ctcgccacag	2040
ccacgtttgc	aggcatcgaa	aacaaatttg	gcctttatct	cccgaatttt	aagtctccta	2100
gtgttgctgt	ggttcagcca	aaggcagcag	tggcagccac	tcagtgatga	gacaactgtt	2160
gagtggtggca	aaatggcgcc	ttgaagaaag	aggcctagga	gagcagccct	gtaatgtatc	2220
cagtcagctg	catgggtact	actgagctga	ggagtcacaa	tcttctttct	gtatgacata	2280
tacatatact	tgtttataaa	ataatcattt	gccaggggaa	aaaaccacaa	cgctgtttca	2340
agcttttagtc	ttatgtgttg	aaatgttttt	gtaagccttg	gcatgaatta	gtgttctaga	2400
ctctgctttg	cacagcttgc	acttacagtg	attgtacata	ttgtacatct	ttgtacagag	2460
acatcttggc	acctcatccc	aacaaatcac	attttagtaa	atgtaatgcg	gttctgagtg	2520
gcttgaaatg	tacagaatgt	tttgaaagt	ttttattaag	aatcacacaa	aaataaatgt	2580
attaaaatta	aattcattct	cttattgggt	acttatggaa	ataaagcatc	aatattggat	2640
gtatttaatt	cctagtttgt	tttccattct	ggaataaaaa	ggtatttgct	gataaaaggc	2700
ataacgagac	atagtgtctg	taccactgaa	taagtgtatc	tttggaagaa	tgcatgccag	2760
tggatgccag	aggaccaggc	taatgacttg	tgtgtgctga	tgtgtttcca	tttgtattta	2820
atgtgtgtag	accctcctct	gttcatcaat	caaaaagcat	ttcctaggca	gctcctcgcc	2880
tgtcagtgtg	catatggaaa	cagggacatc	tccatcatta	ctggcttagt	tttgctttcc	2940
tttgacacag	taaggcaaa	gccaaagctt	caaaaagagta	aaggatactt	tcacaatttc	3000
ccttcatatg	gatatgattc	cagtcaaaaa	taaaatgcac	acccaaatgt	aaaaaaaaaa	3060

<210> 6129

<211> 2262

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (181)...(1499)  
 <223> similar to gi619491 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 6129

atggtaacgt	ggctttacag	atTTTTaccc	acttcaaata	tggccgccaa	gctccgttct	60
cttttaccgc	ctgatctacg	gctacaattc	tggcttcatg	cccgcctcca	aaagtgttct	120
ctctcgaggg	gttgtggttc	ttactgcgca	ggcgcaaaag	caagtcctct	tccgggcaaa	180
atggcgatgg	gactaatgtg	cggacgcggg	gagcttctgc	gcttgctaca	gtccgggcgt	240
cgggtccaca	gcgtgcaggg	gccctcgcaa	tggcttgagg	aaccgctgac	cacacggctc	300
ctattcccag	cagccccgtg	ctgctgtcgc	ccacactacc	tcttccttgc	ggcttccggc	360
ccccgcagcc	tcagtacctc	tgctatctct	tttgcagaag	tccagggttca	ggccccctct	420
gttggttgctg	caactccctc	acccacagca	gtacctgagg	tggcttctgg	agagactgca	480
gatgtagtcc	aaactgtctg	agagcagagc	ttcgctgaac	tggggctggg	gtcatacacc	540
ccagtgggac	tgatccagaa	tttactggaa	tttatgcatg	ttgatctggg	cctaccttgg	600
tggggggcca	ttgctgcatg	tacagtcttt	gcccgtgccc	tgatttttcc	tctcatcggtg	660
acggggccagc	gagaggcagc	caggatccac	aatcacttgc	cagagatcca	gaagttttcc	720
agtcgaatca	gagaggccaa	gttagcagga	gaccatattg	agtattacaa	ggcttcctcg	780
gagatggcac	tttaccagaa	aaaacatggg	attaaactct	ataaacctct	cattctccct	840
gtgactcagg	ccccaatctt	catctccttc	ttcattgctt	tgagagagat	ggccaacctt	900
cctgtgcccc	gcctgcagac	aggtggcctc	tgggtggtcc	aggatctcac	ggtatccgat	960
cccatctaca	tattaccact	ggcagtcact	gctacaatgt	gggctgttct	tgagctaggt	1020
gctgagacag	gtgtgcaaag	ttctgacctt	cagtggatga	gaaatgtcat	cagaatgatg	1080
cccctgataa	ccttgcccat	aaccatgcat	ttccccacgg	cagtgtttat	gtactggctc	1140
tcttccaatt	tgttttccct	ggtccaagta	tctgtctctc	ggattccagc	agtacgcact	1200
gtacttaaaa	tccccacgcg	tgttgtacat	gacctggaca	aattacctcc	acgggaaggc	1260
ttcctagaga	gcttcaaaaa	aggctggaaa	aatgctgaaa	tgacgcgtca	gctgagagag	1320
cgtgaacaac	gcatgcgga	tcagttggag	ctagcagcca	ggggtccttt	acgacagacc	1380
tttaccacac	acctctcct	acaacctgga	aaggataacc	ctcccaatat	ccctagcagc	1440
cagcagcagc	agcagcaaac	caaagtcaaa	gtatccctgg	cacgacacac	ttggctgact	1500
tatgtttctgt	gcgcatctctg	gcaggaattc	tgtctcttca	gagactcatc	ctcaaaacaa	1560
gacttgacac	tgtgtccttg	ccccagtcct	aggaactgtg	gcacacagag	atgttcattt	1620
taaaaacgga	tttcatgaaa	cactcttgta	cttatgttta	taagagagca	ctgggtagcc	1680
aagtgatctt	cccatccaca	gagttagtaa	acctctgtac	tacatgctgc	ttcctgatac	1740
ttattgaaca	gggaaatgag	tgtgcacttc	agaaaactga	agaataccca	gcattttggg	1800
aggccgaggt	gggtggatca	cctgagatca	ggagtgtgag	accagcctgg	ccaacatggg	1860
gaaacgccat	ctctgctgtt	ttacaaaaat	agccacacgt	ggtggtgcac	acctgtagtc	1920
ccagctactc	gggagggtga	ggcaggagaa	ttgcttgaat	ccgagaggcg	gaggttgacg	1980
tgagccaaga	tcgcaccacc	gactccagc	ctgggcaata	gagggagact	gtctcaaaaa	2040
aaaaagaaaa	cctgaagaat	agagtgaagtc	atgattgctt	ttgctggccc	atggccttgg	2100
aaaatataat	gttttaacct	ggcattaagg	gtttaaactt	ccaccagggc	gcagtggctc	2160
acgccagtaa	tcccagcact	tttgggaggc	caaggcgggc	ggatcacgaa	gtcagcagat	2220
cagagaccatc	ctggccaaca	tggtgaaacc	ccgtctctac	ta		2262

<210> 6130

<211> 2952

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature  
 <222> (214)...(1112)  
 <223> similar to gi4455121 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 6130

ctgctgggcc	ctgaaatttt	actcagcagt	ttgaaatcaa	gacatagctt	ttctcattca	60
ccctcccact	tggggcta	gcacagacat	gaacatctat	tgaggaaaac	cacaaaaaac	120
ttcaaaacag	ctacaacggg	aaaaagagag	ttttgtccca	cagtcagcag	gccactagtt	180
tattaacttc	cagtcacctt	gatttttgct	aaaatgaaga	ctctgcagtc	tacactttctc	240
ctgttactgc	ttgtgcctct	gataaagcca	gcaccaccaa	cccagcagga	ctcacgcatt	300
atctatgatt	atggaacaga	taattttgaa	gaatccatat	ttagccaaga	ttatgaggat	360
aaatacctgg	atggaaaaaa	tattaaggaa	aaagaaactg	tgataatacc	caatgagaaa	420
agtcttcaat	tacaaaaaga	tgaggcaata	acaccattac	ctcccaagaa	agaaaatgat	480
gaaatgccca	cgtgtctgct	gtgtgtttgt	ttaagtggct	ctgtatactg	tgaagaagtt	540
gacattgatg	ctgtaccacc	cttaccaaag	gaatcagcct	atctttacgc	acgattcaac	600
aaaattaaaa	agctgactgg	caaagatttt	tgcagacata	cctaacttaa	gaagactcga	660
ttttacagga	aatttgatag	aagatataga	agatggtagt	ttttcaaac	tttctctggt	720
agaagaactt	tcacttgctg	aaaatcaact	actaaaactt	ccagttcttc	ctcccaagct	780
cactttatatt	aatgcaaaat	acaacaaaat	caagagtagg	ggaatcaaag	caaatgcatt	840
caaaaaactg	aataacctca	ccttcctcta	cttggaacct	aatgccctgg	aatccgtgcc	900
tcttaattta	ccagaaagtc	tacgtgtaat	tcatcttcag	ttcaacaaca	tagcttcaat	960
tacagatgac	acattctgca	aggctaata	caccagttac	atccgggacc	gcattgaaga	1020
gatacgcctg	gagggcaatc	caatcgtcct	gggaaagcat	ccaaacagtt	ttatttgctt	1080
aaaaagatta	ccgatagggt	catactttta	acctctattg	gtacaacata	taaatgaaag	1140
tacacctaca	taatatgtct	gtctcaacaa	tgagtaaagg	aacttaagta	ttggtttaat	1200
attaaccttg	tatctcattt	tgaaggaaat	taatatttta	agcaaggatg	ttcaaaatct	1260
tacatataat	aagtaaaaaag	taagactgaa	tgtctacgtt	cgaaacaaag	taatatgaaa	1320
atattttaaac	agcattacaa	aatcctagtt	tatactagac	taccatttaa	aaatcatggt	1380
tttatataaa	tgcccaaatt	tgagatgcat	tattcctatt	actaatgatg	taagtacgag	1440
gataaatcca	agaaactttc	aactctttgc	ctttcctggc	ctttactgga	tcccaaaagc	1500
atttaaggta	catgttccaa	aaactttgaa	aagctaaatg	tttcccatga	tcgctcattc	1560
ttcttttatg	attcatacgt	tattccttat	aaagtaagaa	ctttgttttc	ctcctatcaa	1620
ggcagctatt	ttattaaatt	tttcacttag	tctgagaaat	agcagatagt	ctcatattta	1680
ggaaaacttt	ccaaataaaa	taaatgttat	tctctgataa	agagctaata	cagaaatggt	1740
caagttatatt	tactttctgg	taatgtcttc	agtaaaatat	tttctttatc	taaatattaa	1800
cattctaagt	ctacaaaaaa	aagtttttaa	ctcaagcagg	ccaaaaccaa	tatgcttata	1860
agaaataatg	aaaagttcat	ccattttctga	taaagttctc	tatggcaaag	tctttcaa	1920
acgagataac	tgcaaaatat	tttcctttta	tactacagaa	atgagaatct	catcaataaa	1980
ttagttcaag	cataagatga	aaacagaata	ttctgtggtg	ccagtgacac	ctaccttccc	2040
accatacac	atccatgttc	actgtaacaa	actgaatatt	cacaataaag	cttctgagta	2100
acactttctg	attactcatg	ataaactgac	atggctaact	gcaagaatta	aatcttctat	2160
ctgagagtaa	taattttatg	tgactcagtg	gtgccagagt	aaagtttcta	aaataacatt	2220
cctctcactt	gtacccact	aaaagtatta	gactacacat	tacattgaag	ttaaacacaa	2280
aattatcagt	gttttagaaa	catgagtcog	gactgtgtaa	gtaaaagtac	aaacattatt	2340
tccaccataa	agtatgtatt	gaaatcaagt	tgtctctgtg	tacagaatac	atacttattc	2400
ccatttttaa	gcatttgctt	ctgttttccc	tacctagaat	gtcagatggt	tttcagttat	2460
ctccccattt	gtcaaagttg	acctcaagat	aacatttttc	attaaagcat	ctgagatcta	2520
agaacacaat	tattattcta	acaatgatta	ttagctcatt	cacttatttt	gataactaat	2580
gatcacagct	attatactac	tttctcgtaa	ttttgtgtgc	atgcctcatt	tccctgactt	2640
aaacctcact	gagagcgcaa	aatgcagctt	tatacttttt	actttcaatt	gcctagcaca	2700
atagtgaagta	catttgattt	gaatatataa	taaatattgc	aaaataaaat	ccgtctaaat	2760
agaagggttc	tgttttattt	ggaaaaattg	aatcttttaa	ctatcataat	cttgaatgac	2820
tgtcatcttt	ctagttttca	gaaaaataat	gtatttcctat	attattttta	tgataaaact	2880

094637336 "043400



tatggagcaa aacaccatca aataactctc aaattaagaa aaaattcaaa agtcagtagt 2940  
 tttagataag ag 2952

<210> 6131  
 <211> 1343  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (27)...(686)  
 <223> similar to gi4680707 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

09483725 "013100  
 <400> 6131  
 cggacgcgtg ggcgcggctg ctcaagatga accgactctt cgggaaagcg aaacccaagg 60  
 ctccgccgcc cagcctgact gactgcattg gcacggtgga cagtagagca gaatccattg 120  
 acaagaagat ttctcgattg gatgctgagc tagtgaagta taaggatcag atcaagaaga 180  
 tgagagaggg tcctgcaaag aatatggtca agcagaaagc cttgcgagtt ttaaagcaaa 240  
 agaggatgta tgagcagcag cgggacaatc ttgcccaaca gtcattcaac atggaacaag 300  
 ccaattatac catccagtct ttgaaggaca ccaagaccac ggttgatgct atgaaactgg 360  
 gagtaaagga aatgaagaag gcatacaagc aagtgaagat cgaccagatt gaggatttac 420  
 aagaccagct agaggatatg atggaagatg caaatgaaat ccaagaagca ctgagtcgca 480  
 gttatggcac ccagaactg gatgaagatg atttagaagc agagttggat gcactagggtg 540  
 atgagcttct ggctgatgaa gacagttctt atttggatga ggcagcatct gcacctgcaa 600  
 ttccagaagg tgttccact gatacaaaaa acaaggatgg agttctggtg gatgaatttg 660  
 gattgccaca gatccctgct tcatagattt gcatcattca agcatatctt gtaaaacaaa 720  
 cacatattat gggactagga aatatttatc tttccaaatt tgccataaca gatttaggtt 780  
 tctttccttt ctttgaagga aagtttaatt acattgctct tttatttttt ccattaagag 840  
 actcattgct tgggaaatgc tttcttcgta ctaaaatttg attccttttt ttcttatgaa 900  
 aaacgaactc agtttaaaag tatttttagc tcgtatgact tgttttcatt cattaataat 960  
 aatttgaaat aaaactaagg aaatggaatc ttaaaagtct atgacagtgt aactctacag 1020  
 tctcaaaatg acctgataaa ttgataagac aaagatgaga ttattggggc tgttcatatt 1080  
 atgattcaga atcattttct attgtggtat tatagggttg ttaaagtgat ggcctttttg 1140  
 atgggttttg ttgtgtcttg tgaacaagtc gttactgtgt ccattatttg aatggaatta 1200  
 tcaactactgt atcatgagtg ggtattttga ttctatggtt ccctcagtat tacatcttga 1260  
 cttgtaatca attatgaata tttcttgata tttaatgtat aggacattta tttatactca 1320  
 ataaatattt ttcaaaaaaa aaa 1343

<210> 6132  
 <211> 3730  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature

<222> (237)...(1849)

<223> similar to gi4581470 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 6132

tttttttttt	ttagcaacac	ttttcttggt	tgtaaacg	agtgaaccag	aaagtgtgaa	60
tgcggagtag	gaatattttt	cgtgttctct	tttatctgct	tgcctttttt	agagagtagc	120
agtggttcct	atttcggaaa	aggacgttct	aattcaaagc	tctctcccaa	tatatattaca	180
cgaatacgca	tttagaaagg	gaggcagctt	ttgaggttgc	aatcctactg	agaaggatgg	240
aagaaggagc	caggcaccga	aacaacaccg	aaaagaaaca	cccaggtggg	ggcagtcggg	300
acgccagccc	cgaggctggt	tccggagggg	gcggagtagc	cctgaagaaa	gagatcggat	360
tggtcagtg	ctgtggtatc	atcgtaggga	acatcatcgg	ctctggaatc	tttgtctcgc	420
caaagggagt	gctggagaat	gctggttctg	tgggccttgc	tctcatcgtc	tggattgtga	480
cgggcttcat	cacagttgtg	ggagccctct	gctatgctga	actcgggggc	aacatcccca	540
aatctggagg	tgactacttt	tatgttaagg	acatcttcgg	aggactggct	gggttcctga	600
ggctgtggat	tgctgtgctg	gtgatctacc	ccaccaacca	ggctgtcatc	gccctcacct	660
tctccaacta	cgtgctgcag	ccgctcttcc	ccacctgctt	ccccccagag	tctggccttc	720
ggctcctggc	tgccatctgc	ttattgctcc	tcacatgggt	caactgttcc	agtgtgcgga	780
gggccacccg	ggttcaagac	atcttcacag	ctgggaagct	cctggccttg	gccctgatta	840
tcatcatggg	gattgtacag	atatgcaaag	gagagtactt	ctggctggag	ccaagaatg	900
catttgagaa	ttttcaggaa	cctgacatcg	gcctcgtcgc	actggctttc	cttcagggct	960
cctttgccta	tggaggctgg	aactttctga	attacgtgac	tgaggagctt	gttgatccct	1020
acaagaacct	tcccagagcc	atcttcatct	ccatcccaact	ggtcacattt	gtgtatgtct	1080
ttgccaatgt	cggcttatgt	cactgcaatg	tccccccagg	agcttgctgg	catcagaacg	1140
ccgtcgctgt	gacttttggg	gagaagctcc	taggagtcac	ggcctggatc	atgcccattt	1200
ctgttgccct	gtccacattt	ggaggagtta	atgggtctct	cttcacctcc	tctcggtgtg	1260
tcttcgctgg	agcccagag	ggccaccttc	ccagtgtggt	ggccatgac	cacgtgaagc	1320
gctgcacccc	aatcccagcc	ctgctcttca	catgcatctc	cacctgctg	atgctgggtc	1380
ccagcgacat	gtacacactc	atcaactacg	tgggcttcat	caactacctc	ttctatgggg	1440
tacaggttgc	tggacagata	gtccttcgct	ggaagaagcc	tgatatcccc	cgccccatca	1500
agatcaacct	gctgttcccc	atcatctact	tgtgtttctg	ggccttcctg	ctggtcttca	1560
gcctgtgggtc	agagccggtg	gtgtgtggca	ttggcctggc	catcatgctg	acaggagtgc	1620
ctgtctatatt	cctgggtggt	tactggcaac	acaagcccaa	gtgtttcagt	gacttcattg	1680
agctgctaac	cctggtgagc	cagaagatgt	gtgtgggtcgt	gtaccccgag	gtggagcggg	1740
gctcagggac	agaggaggct	aatgaggaca	tggaggagca	gcagcagccc	atgtaccaac	1800
ccactcccac	gaaggacaag	gacgtggcgg	ggcagcccca	gcctgagga	ccaccattcc	1860
ctggctactc	tctccttcc	ccccctttta	tcctacctcc	ctgccttgg	cccgccaa	1920
catgcgagta	cacacacacc	cctctctctg	cttttgtcag	gcagtggtag	gactttggtg	1980
tgggtggtgt	gagaaattgt	aaacaaaaac	tgacattcat	acccaaagaa	ccagcctctc	2040
accccaggg	ccatgtccca	ggccccactc	cagtgtgcc	cacactccca	gctgctggag	2100
gagaggggag	atgccaagg	gcctgcagg	acctccctcc	gggccacacc	ctcagctgcc	2160
tcttcaggaa	ccggagctca	ttactgcctt	ccctcccagg	gaggcccctt	cagagaggag	2220
aggccacagg	agctgcattg	tggggggaca	ggctcaagca	attctgtccc	catcaagggg	2280
tcagctggag	agacccaaga	ccctatctgt	tcaccaggga	cccaaaatcc	aaggggatgc	2340
ttccctctgc	cctcttcc	gcccctcccc	atcatactg	caccaccccc	agccagggct	2400
ccctgtccag	aattcgggtt	tcctcaggac	gccaactccc	agagctaagg	accaaggaga	2460
agaacagcct	ctccaccccc	aagccaggcg	gttgaggga	atattgagaa	aggttcagat	2520
tgcagaaacc	cagccctgcc	cctgcctcct	gcattccagc	cccaacatgg	tgccaaagct	2580
tccagaagcc	aaaaagcttc	tgatttttaa	ggtagtgggc	atctctctcc	taatgacgaa	2640
gctgctcagc	aactccacct	gcccgcgcga	ggaaggagca	gtccccctgt	atccctgcag	2700
ccactcccag	cacacccgca	cacagccagc	accaccgccc	ccaccgtgca	cttctcctct	2760
ctgggccttg	gcttgggacc	aggtacgaag	gatccccaag	cccttcaggc	ctgagatcag	2820
agccagatca	gccttaagtc	acctcccatc	caagaacttg	gcctaaaaat	actcccctat	2880
ttctaaccct	caggacggat	ctgatattaa	atgccttccc	tgggaggaag	ggtgctttcc	2940

09496722E 042400

```

cctccctag aggtgcccatt tccataccct gggagactga ggagagcatt ggctgaagcc 3000
cagttccttt cccatccatc cccaactcca ataatcccc actcctcgca ggtctcagt 3060
tcatgctgtc ttggggcagg gtgaaaggg agtggcagca gggcgccac tctggagatc 3120
ctcaaaaaag gccctcctct gtggctggca gcctctgacc tttccctggg cttcaaagga 3180
aggctatgga gtttgcctgt ggccctgcaa ccttcccagc cactcctgct gcactaagga 3240
cttaggatcc ttttatcaca aatcgggatt ctctcccca ccccgaaatt tgtctgctta 3300
aactggaata cacaggagcc ctctctggcc tggatgggtgt ctcccagctt ccccgcccag 3360
cttggcccacc ccatagttgg tgagatgcc aagtttggctt gagttgtgac cccttcagag 3420
tagatgcccg gcaggctggg gttggccctt ggagggtcag gggaccatct tcttattccc 3480
tcttttctca ttctccaac ttctccctt ccttcaatta tttttttgta aagttgatgc 3540
cttacttttt ggataaatat ttttgaagct ggtatttcta tttcttttgg atttttttta 3600
atgtaagggt gttttggggg atggagttag aaccttaatg ataatttctt tcgtttggtg 3660
taggttttag agatttggtt tgtggagagg ttttttttct tttgatgtaa taaaatttaa 3720
aatggaaatg                                     3730

```

```

<210> 6133
<211> 4082
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (237)...(1926)
<223> similar to gi3714340 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

```

```

<400> 6133
ctcaggcccc agaggcgccg ggcggcgagg tttaggctgt tccggagggg agggccgggc 60
gcggcgccgg cggcggtgga ggagccggag cataatgcta aagaagtaaa caggtcatgg 120
cacgtttaac aaaaagacga caggcgagata caaaagctat ccagcatctt tgggcagcca 180
ttgagattat acggaaccag aagcagattg ccaacattga ccgtattaca aagtatatgt 240
ctcgagtcca cggatgacac cctaaagaga ccaccgctca gctgagctta gctgtgaaag 300
atggtcttat tgtcgaaact ctaacagtgg gctgcaaagg ttcaaaagct ggtattgaac 360
aagaaggata ttggttgcca ggagatgaga ttgactggga aacagaaaat catgactggt 420
attgttttga atgccatttg cctggagagg tgttgatatg tgacctgtgt tttcgtgtgt 480
atcattccaa gtgtttgtct gatgagttca ggcttagaga cagcagtagt ccctggcagt 540
gccagtttg caggagcatt aagaagaaga atacaaacaa acaggagatg ggcacatacc 600
tcagattcat tgtctccgc atgaaggaga gggctataga tcttaataaa aaggggaagg 660
acaataaaca cccgatgtac aggaggctgg tgcactcagc tgtggacgtt cccaccattc 720
aagagaaagt gaatgaagg aaataccgaa gttatgaaga gttcaaagct gatgccaat 780
tgcttctcca caataccgtg attttctatg gagcagacag tgagcaagct gacattgcga 840
ggatgctata taaagacaca tgtcatgagc ttggatgaac tgcagctttg caagaattgc 900
ttttacttgg caaatgctcg tctgacaac tggttctgtt atccttgtat acctaatacat 960
gagctggatt gggctaaaat gaaaggtttt gggttttggc cagccaaagt catgcagaaa 1020
gaagacaatc aagtcgacgt tcgcttcttt ggccaccacc accagagggc ctggattcct 1080
tctgaaaaca ttcaagatat cacagtcaac attcatcggc tgcacgtgaa gcgcagtatg 1140
ggttgaaaaa aggcctgtga tgagctggag ctgcatcagc gtttctctac agaagggaga 1200
ttttggaaat ctaagaatga ggaccgaggt gaggaagagg cagaatccag tatctcctcc 1260
accagtaatg agcagctaaa ggtcactcaa gaaccaagag caaagaaagg acgacgtaat 1320
caaagtgtgg agcccaaaaa ggaagaacca gagcctgaaa cagaagcagt aagttctagc 1380

```

caggaaatac	ccacgatgcc	tcagcccac	gaaaaagtct	ccgtgtcaac	tcagacaaag	1440
aagttaagt	cctcttcacc	aagaatgctg	catcggagca	cccagaccac	aaacgacggc	1500
gtgtgtcaga	gcatgtgcc	tgacaaatac	accaagatct	tcaatgactt	caaagaccgg	1560
atgaagtcgg	accacaagcg	ggagacagag	cgtgttgtcc	gagaagctct	ggagaagctg	1620
cgttctgaaa	tggagaaga	aaagagacaa	gctgtaaata	aagctgtagc	caacatgcag	1680
ggtgagatgg	acagaaaatg	taagcaagta	aaggaaaagt	gtaaggagga	atttgtagaa	1740
gagatcaaga	agctggcaac	acagcacaag	caactgattt	ctcagacca	gaagaagcag	1800
tgggtgctaca	actgtgagga	ggaggccatg	taccactgct	gctggaacac	atcctactgc	1860
tccatcaagt	gccagcagga	gcaactggc	gcggagcaca	agcgcacctg	ccgccggaaa	1920
agatgaagct	ggcccttccc	ggagtcaccc	cgatgattac	tcttttcaga	cacagcgggt	1980
tttgtttcca	agaagccaaa	attgttttaga	atttgcctcc	cattttgcac	cagcctttta	2040
acacttttcg	tgaagaaatt	ttgcacagta	gtttaaatct	tttgttaatg	ctcctccgaa	2100
gtttttcagg	gggtaaaagt	aacatcagtg	gaggggtatta	ttttaaataa	attttaattg	2160
agaatttggt	gcattttcag	caaattttta	aacattttta	ggttttacag	agattttaac	2220
ctttaaacaa	cagatcttta	aaaaacaggt	gaatacaagt	gagtttaaca	aagaaacatt	2280
tagaatagat	ctgaatgtaa	gaactacaga	actgtttcag	aaataaaaca	tactaccttg	2340
atgtgacatt	tttttcttaa	ccttggtgag	ctgggtttgt	tcagcttaat	ttactgttca	2400
aaggcattat	ctgttggtca	caccagtggg	tatatgattg	aatttaggga	acagggttga	2460
cacagcaggg	ctagtctctg	atattttttc	ttaaatattt	cccaattgtg	tttttcatta	2520
tttcttttca	atatataact	tttataacaa	attattagct	ttgatcttgt	agtttaaaat	2580
tgcagggaac	tggggtaatc	ttttactgag	ctggatctta	gagaaaatga	atattttaat	2640
tttaaagttt	gcacatttca	tctttgtcct	aacatgagtg	cttgtaacaa	aataaacac	2700
aaaaacaaag	ccaaaaacta	cctttatcca	tatgtgaaat	tatagatgag	gcatacgaat	2760
ttgtttaatg	cttcccttcc	cttcccat	atcatctcac	tgcttattat	ctggtgtcac	2820
ctcatgtatc	gtaagttaat	actaaaagaa	gagaaagcac	ttaagtttca	cagaagccgt	2880
tatgtttgta	gtaatgggtc	attgcctact	aatgaactcc	atcactgtac	acagaatgaa	2940
gaataatgca	tgttaatttt	cttgtattaa	agatgccgtg	atttgtaaaa	agtctgtatt	3000
ttgcggaatg	tctggattaa	gaagcattac	caataggaat	ggatcgatag	ttgaataatg	3060
attttttata	catagatata	taaaatacag	ccaggaaaac	ttaaattact	tttcttttaa	3120
aatatctcac	aatttatgtg	gtatttttaa	agactgatct	tagaccaagt	caaattccca	3180
tttatcattt	agttattttt	tgaggttaga	gaataatttg	tacataattt	tttagacctt	3240
tgatatttat	taaagcaatt	actcacaatg	gaagtgaag	aatcaggaga	aaagcctttt	3300
aaaaagtatt	ctccagggtt	gtcagggtca	ctctaaagat	aaaaatgtaa	ctaagctctc	3360
tgtgaaatat	catccatcta	atcttgatgc	tggtgcagat	ggtggtgaca	caagttaatt	3420
gacaaactac	tgccaaatgg	tgacaaatat	tttgtaaaaa	gtaccagta	gccccatttc	3480
atacaatgta	cctaaattat	gcagtaactt	ggcatcatcg	ttccctcctt	gttgctgtgt	3540
aatttagtcag	tgttgccaca	gtgtgtggcg	ctgatggaga	tgtcagaacc	gagaacactt	3600
aaccttcttt	gattgttttt	caagttttta	gacttcgatc	cacccttatg	agagcaagta	3660
attgtggaaa	tatttttggt	gtaaaatcat	tccagagtat	gtaatattta	actgatagct	3720
gcatgaaagt	gagattcgtg	ttactttggc	ttttctgtct	ctgttgacac	ggttgccat	3780
ttccaagtta	ctacagcgtg	aaaactgtgt	gtttaaaaaa	aaacaaaatt	aaaaaaagag	3840
attgtggcct	ggttttgtaa	aagttttagg	taaaattaca	attgattggt	ttaggaatca	3900
ttattaaaaa	ttttctgcaa	atcataaagc	tatatcgagg	tgttgagctt	agccactatg	3960
cacattgtaa	ttattcattg	tggtgtgcc	gttctatgat	gcattctggc	attttgtaag	4020
ctgctctgac	tagcaatata	tagattcatt	taatgtgtta	acattggtta	ataaatgtat	4080
tt						4082

<210> 6134

<211> 4700

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature  
 <222> (4171)...(1892)  
 <223> similar to gi3116015 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 6134

tttttttttt	tttaagtcag	aaacaggaaa	cgtttattta	aatagtgtag	tcttaatttc	60
tttaataata	aaccccccca	aatctgatga	aaacaaagtt	ttatatacca	tataaacaag	120
atttgtcaga	tttgaaagtg	aaagttaaag	taattttacag	ttagctttta	accctctcgg	180
gacattttag	tacatcctcg	ataatccatc	ttgtaattag	tgtgtgtcaa	ttttacaata	240
cactggggga	aaactcaggc	tattgtattt	aacgggtaca	gtttcattta	tcaaagtggt	300
tcccattaat	tcccattatt	aggtggacag	ctaaccaagt	gaccccatca	aatgaagtg	360
aatgacatta	gactgtggcc	agagtgaacc	acatctggga	ttggctttct	ataattcacc	420
cagtttgcg	ggaagtaaac	attctttgga	tttgttcata	atatactgaa	gttacctata	480
acactggtgc	agtaacacag	ctagttcctc	tgtattgggt	atgggtaaga	acgggatttt	540
ggtaataata	agttaacagg	aaaaaaatgc	ttcacacatt	atgtgggtgga	aacttatctc	600
cacaaaaaga	ccattaaaat	aaaaaggata	gagggaaaaa	taaaccatgc	agaagagacg	660
gcttccccca	tcttccaacc	tgtttcccat	gggctcactc	attgcccata	catcacttgc	720
cacactatca	agtgactcct	ttctgctttg	gtgacagaag	gttcaagtgg	aagatcctct	780
ccaagaagtt	ctgattctcc	accttcatca	cccattcgga	agtcgatgta	gccctctcct	840
ccactgatga	caagcataga	cttcaagggc	gtctgactac	caggctcctg	tgcagatggc	900
ccctgccttt	gtcacccgtc	agatccgtgc	cactactgct	actttgtggg	ctgatgactt	960
gacctgggac	tgccacaaag	aatttcacag	catcccgggtg	cccatggaag	caaagctgtg	1020
catgtgccat	tgaacaatag	ggtataaatg	tccctggagt	cactttatca	ctgttttcat	1080
caccatatac	acggattaca	cttccaggac	gatttcctgg	tacacctgag	gttttatttg	1140
ccctcagccc	cagtaaactg	ccctggtgga	ggattacggt	ttctgtcaat	gggatggaga	1200
taatgacacc	atttctctgc	cccaccaca	aacgattaca	agacaccata	agagctgtaa	1260
ttctcacaaa	agagaagccc	agttttccag	tacctaacat	tttgcttaca	taaggctcaa	1320
tgtccacatc	ctgtagatgt	tgataagttg	gtgcagtata	gagacggagc	gtagaatcca	1380
agcgaatgga	gaccacacag	ccatccccca	cccacgaag	ctgtcgcact	tggtctctct	1440
tcttgggatg	tgcataaaaa	gatttctcta	ttttctatgg	ctttggctgc	accacataga	1500
ttttgttctt	atagccacac	cagactttgt	catgtaccac	agtcattgaa	cggatggaat	1560
gatgaggccg	tccaaggtct	aagaggtgat	agtttgacaa	atcccactgc	ccatccactc	1620
ctctgtgaaa	gattgcaagg	gtgccgtcag	ccagggtctac	taacacgatt	cccttcacgt	1680
gtacaatact	gagaatcgaa	tctttaagtt	taatggaatg	gagacatttc	ctccactggg	1740
ctacagatga	atggacatac	aaacagccat	tttgagctcc	aagccacata	gttggtaaaa	1800
gactactcat	tttctgggct	tcttctctca	ccaagtcttg	ttcatttggc	agtactgata	1860
tttgatcttt	atatgcatct	gagtcattgc	tcgactgata	cactggggag	aggtcttctg	1920
ggatctgaac	ttcccaaagg	atctgtaaag	acatgctctg	tgtagacgcc	agtttgggag	1980
atgtccaact	gtgtcttcag	ctgaccccg	attcccttct	gtagcttcag	ttgctttctt	2040
ctgctgttgg	aacattttca	tcaacctcac	tattttctgc	ttccatttct	ggtgggttat	2100
ccatcactgg	agaagcacca	tttgtactag	gggaagtggc	agctcccgtc	acaccttctg	2160
cagaacaacc	aacctctgtg	atgcctccta	acaggctgtc	tgtctctgct	gagctgttgc	2220
ttgtcatact	tccacataaa	gatgctttgt	ctacctgacc	agattctgaa	agatcttctc	2280
ctgcagggta	gtctgtttct	cgtgcacctg	gcacacttgc	aatgcacaga	acatgagagt	2340
tgcaaacagt	gaaactgtct	aggatgttgc	caggttgaac	agcatcaata	ataagaactt	2400
ttgtagccga	atgagtgtcg	gtacagatcc	aaactagact	ggataattct	tcttgatttt	2460
ttaactcctt	ctgctgttcc	ttaagttcct	gacttaactt	atctaaacta	ctctgagagg	2520
cacttcgctg	tttactgect	tctgtatcca	aaccagcaac	atccttgtaa	aatacacttg	2580
ctccaacaac	agaaccacca	tctctggtct	tcccaccaga	taaattgact	ccaacagcac	2640
accacagctt	cattgatgta	tcttttttat	ccagaggtct	gagatagaca	ggcacaggta	2700
aatttttcat	cttattttca	ccttgaccat	tggttacctg	tttgtacttc	tgaggcagac	2760
tccagccaaa	agcctgcact	ctaccgtctt	ccttctgaac	atgtgctttt	acctgacgat	2820
actgctctct	cttttgttct	ctgcgtgagg	ctaaactagc	ttcagtttct	tcactaagga	2880

09483723.016100

```

aatcaaaggc tttggactta tccccagggg gctgagataa ggtgctgctt cttttcttga 2940
cggacggagt aacatgagac gtgggtgcat tgtacttcag attaacaggt gggttcaggct 3000
tcttagtcgt gttacttgag gagctgaaaa gtccggctaaa aaactgccaa atgcttgacc 3060
tttttttttc ctgcatggct ggattttctc gtgatgcccg aatcatctct gtccatcgaa 3120
cagcttcctg aagctccatc aatctctctt tatactgggt tcgctccatg agaacacggg 3180
ccatttctac tctagtaaac cgtttcctct gggctgtggg aatatcacta tcatcgatc 3240
cttttgcttt ttgccttgca tcttcagctt ctgcccagag tttcctaagc tcttcctcca 3300
attctctgtt cttttcctct agtttcagtt tggtctgctt cacagcctcc aattccccct 3360
gcagcacatc tttctcacag gtcagttcat ccacttttgc tatcaaatac ttcttcaact 3420
tgttcaaagc atttttgggt tccaacagtt gtgtattttc taatataaga ttctcaactt 3480
cccgaacctc tctagtaaaa tctgctcctt catccacatc tcctattagg cctgagccag 3540
ctgaagacag ttcttcaaag agagattctg tattgcgacg aaaagctttg ttctctatgc 3600
ctttgggtgg agtgcttgaa cctttatata cactgagatc tttgtccata tccagctcag 3660
gagtagattc gatgattgct tgaacttctg acttttcttc attttcagca gagccagtag 3720
atacatttct agtttcctgg gctacctgta cttcaatgtg tttgcttata tctgatttat 3780
ttggcgcata tgtaaccttc acaaatacct cgttttcttc ctttaagggg gtatcagtag 3840
gaattgttgc cacatctgaa ttagctgttg atgctggagt ggtagcttta gatccgcctt 3900
ggctaacatc agaaagctca tcttcaggc ttggtatgaga acgtggttga ctttaattcct 3960
gaaatttcca ttgctcagat ccagggggtc ctctcctttt ctgagcatca ggtgtaagca 4020
atccatctcc agcaggtaat gggaaaattc ctaatgatat agggcggttct tttctaattc 4080
tactatgagc tgtggattct agttgatcac tccctgagag ctgatgaagt tttgttcttt 4140
ctaaatgttc catataatta tggatcatct cagtgtgtct ttgatgtaat gcattatatt 4200
ccttcttcag ttctgcttct ctttcttcaa gtatgctaata ctggtcagca tagtttttct 4260
ctttcagctc aagttgtctt gtttgagatt ctaaagattc cactcgggtc tgtaagtcct 4320
ttttttcctg ttcttgagag tcttcaaatt caatgaattt ctctcagcg tgcttgcgca 4380
gcgccttctc tcgctcgta tgggtgatga gctgctcggt gtcgtcccg cagcagctcca 4440
gtccacactg gtgctcctgg tctgcgcga acaccgagtc cagggttctcc agcacagcca 4500
ccaccagcgg gatcagctct ttgaccacct cctcgtcata gcgcacgata agccgctcga 4560
actcgcggta gatggagccg gccaggccgg acaccgcctc cgacatcacg gccccggagc 4620
cgccgggctc ctctgatac accacaccgt cctccagctc catggttggc aagcggacgg 4680
gcgggcggcc cggggcgctc

```

<210> 6135

<211> 1926

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (264)...(1289)

<223> similar to gil628581 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 6135

```

tttcgtccgc tgctgcctt gctccaggt ccacctgtgc cgcgcatcgc ccgggtatcg 60
cgggggcccc ggccagctga gtccgttttc cgcgcgggg ttggcgccct ccaaccgtcc 120
taacgcgggg ccggcagcaa ggagtgttcc tgggacctca gagaccaggc tcagagcctg 180
acatccctgc gaggggacag cctcatccgc ccaggccagt ggggggtctc acaagtgcc 240
aggctcaggt gcagccccc gcaatgcac gccggagact ggccctgggt ctgggggttct 300
gcctgttggc gggcacaagc ctcagtgtcc tgtgggtgta tcttgagaac tggctgccag 360

```

```

tctcctatgt cccctattat ctcccctgcc cagagatctt caacatgaag ctgcactaca 420
agaggggagaa gccactccag cccgtgggtat ggtcacagta cctcagccc aagctgctgg 480
agcacaggcc cacacagctg ctgacactca caccctggtt ggcgcccac gtctccgagg 540
gaaccttcaa cccagagctt ctgcagcaca tctaccagcc actgaacctg accattgggg 600
tcacgggtgtt tgccgtgggg aatccttctt ggagtcagcc gaggagttct tcatgcgtgg 660
gtaccgggtg cactactaca tcttactga caaccctgca gccgttcccc ggggtcccgt 720
gggtcccccac cggtttctca gtcctatccc catccagggt cactcccact gggaggagac 780
atccatgcgc cggtggaga ccatcagcca gcacattgct aagagggtct accggggagg 840
ggactacctc ttctgccttg atgtggacat ggtgtttcgg aaccctgagg gccctgagac 900
cttgggagac ctggtggctg ccattcacc aagctactac gccgttcccc gccagcagtt 960
cccctatgag cgcaggcgtg ttccactgc ctttgtggca gacagcgaag gggacttcta 1020
ttatgggtgg gcagtcttcg gggggcagg gtccagggt tatgagttta ctaggggctg 1080
ccacatggcc atcctggcg acaaggccaa tggcatcatg gctgcctggc gggaggaaag 1140
ccacctgaac cgtcacttca tctcaaaaca gccgtccaag gtgctgtccc ccgagtacct 1200
ctgggacgac aggaagcccc agccacccag cctgaagctg atccgctttt ctacactgga 1260
caaggatatc agctgcctga ggagctgacc acggagctgg gggttgccat ggatggggac 1320
ccaaagacct gcagccacca gtgcttact agcgtgcaga ccagccctgt cccgcctccc 1380
tgtcagtcag gcgaattcaa ccggaagg gacgtggaaa ggccactgtg aactgcagag 1440
ggctgtgcac acagtagcac acaggatctc acagtaacgc ggcatgggaa cagtgcagac 1500
gggggagggg aggcgcagtt acaaaggcag ggcccgag gcttgccacg ttctgcagcc 1560
gtgcctttgc ggggcaggct ctgaagcctc agcccgactc agagtgcctg aaccctgccg 1620
cgccagtcct ccggtttattg catattgcc ttaacgtagc atttctaata ccctgggtgtg 1680
aaggcgccct agaccccttt tctctggtca caggggtcct gggtcctttg atgtctccca 1740
accacatgta gccaatctc cactcaggcc cccagagtga gcctttgaaa tggaacagg 1800
ctaggctccc tcggtttcct gcaccccaaa gtgagccgca ctctcagggg actagccacc 1860
tccttcttaa gagggtttgg ggcagtttat aataaagggg gcgtgtgctc aaccctaaaa 1920
aaaaaa 1926

```

```

<210> 6136
<211> 1620
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1204)...(236)
<223> similar to gi5360708 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 6136
tttttttttt ttacaaaacc aaaaaaccaa aaatatTTta ttgctgagtc atcctgggggt 60
tccataaagg accccaagcc ttgcttggag tctatagctt tgctaggact cccatgacat 120
caggatagag attgaggcac ggggtccttt gggttccgat taaggaaacta tctactctga 180
ttctgttgat cttattagtc cctccaggtc acctctactt catctgtccg atacctctgt 240
gtaacccag aatcactgag tggggtcctg tgtccagccc gaaacatctc ccagccagcc 300
tgggctatca tcgtccatt gtcaatacag aatctctcat ctgtagcaaa aagccgggct 360
ccacgttctt ggcacattgt tgccatcatc tcctgtagcc tcacattaca cccactcct 420
cccacaatga gggcctcctg ggagccacaa tgtgccatgg ctgggctctg tgatctctac 480
cagcattgca aacacagttt cctgcaggga gaaacgcaga tcctcaggag tacactcgcc 540
tgtggccagc atccgatggg ctacatcctc aatgaaagac aggatccctg agaatgagac 600

```

```

gtccatcccc ttacagtgt atggcagctc aactagcttc ttgcctcgct ttgccatctg 660
ttcaatgttg tatictggtgac ttgggtcggt agaaatcttc agcactcgag caaaacgatc 720
cagacaatta cccactgcaa tatcgatggt ttcccaaag atacggtaac gatgttccga 780
gtatgcaatc acctgcgtat ttctccact cacatacaac acggttgggc tgggtggctcc 840
agtgatgagg cgccccatct caatgtggcc taticagtgg ttcacacca ccaatggctt 900
attccacagc tgggccacag tacgggccac aacagccaca gaaaccagtg gggcacccat 960
gccagggccc ttggtgtatg caatgcagtc gatatictggt gaggttaatc cagactctgt 1020
tagtgccctc tgcagcaggt ctaggataac agctcggtga tgcctggctg tatcacctgg 1080
aaggaatcct gtgccaggag gcgtgacgta agtccgccgc gggttcgcca gcaccttgcc 1140
atcccgacc acgcccacgc caatcttatt ggcgtgcct tcaaaaccca gcaccgccgg 1200
catggcgagg gctgggagaa aacgccgaca ggactcctgg caatgtcagg agctgtggag 1260
gtcctcacta gtccgcgtg ggccgcagct ttccggagcg cagagggaagc tggccagcct 1320
gcagatagca ctgggaaaga caccgcggaa ctcccgagag cggagacccg ccaaggcccc 1380
tccagggacc tgtcttccta actgccaggg acgccgagcc aactctgtgc cttacattcg 1440
tatccgtttt cctatctctt tcccggtggtc cagcccagcc ttctccactg ttttttccc 1500
tcttgcacag agttagaatc ttaagtcagt gtcacacaat gtgctgtgca tctggcacia 1560
cgataaacag cccgagggag ggttgacgag atcgtcgtcc cggaaattcc gggagtgcac 1620

```

```

<210> 6137
<211> 4224
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (162)...(3960)
<223> similar to gi3882335 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 6137
gatgattacg ccaaggttgg cacgagggtc tcttggaaatg cctggagttt gaccctgaag 60
agttctacca ccttttagaa gcagctgagg gccacgcaa agagggacaa gggattaaat 120
gtgacattcc ccgctacatc gtagccagc tgggcctcac ccgggatccc ctagaagaaa 180
tggccaggtt gagcagctgt gacagtcctg aactccaga gacagatgat tctattgagg 240
gccatggggc atctctgcca tctaaaaaga caccctctga agaggacttc gagaccatta 300
agctcatcag caatggcgcc tatggggctg tatttctggt gcggcacaag tccacccggc 360
agcgctttgc catgaagaag atcaacaagc agaacctgat cctacggaac cagatccagc 420
aggccttcgt ggagcgtgac atactgactt tcgctgagaa cccctttgtg gtcagcatgt 480
tctgctcctt tgataccaag cgcacttgt gcatggtgat gggagtaccg ttgaaggggg 540
agactgtgcc actctgtga agaattattg ggcctgcct gtggacatgg tgcgtctata 600
ctttgcggaa actgtgctgg cctggagta ctacacaac tatggcatcg tgcacgtga 660
cctcaagcct gacaacctcc taattacatc catggggcac atcaagctca cggactttgg 720
actgtccaaa atgggcctca tgagtctgac aacgaacttg tatgagggtc atattgaaaa 780
ggatgcccgg gaattcctgg acaagcaggt atgcccggacc ccagaatata ttgcgcctga 840
ggtgatcctg cgcagggt atgggaagcc agtggactgg tgggcatgg gcattatcct 900
gtatgagttc ctggtgggct gcgtcccttt ttttgagat actccggagg agctctttgg 960
gcaggtgatc agtgatgaga ttgtgtggcc tgagggtgat gaggcactgc cccagacgc 1020
ccaggacctc acctccaaac tgctccacca gaacctctg gagagacttg gcacaggcag 1080
tgccatagag gtgaagcagc accattctt tactggtctg gactggacag gacttctccg 1140
ccagaaggct gaatttatcc ctacgttgga gtcagaggat gatactagct attttgacac 1200

```



cgcctcagag	cgtaccacc	acatggactc	ggaggatgag	gaagaagtga	gtgaggatgg	1260
ctgccttgag	atccgccagt	tctcttcctg	ctctccaagg	ttcaacaagg	tgtagcagca	1320
catggagcgg	ctctcactgc	tcgaggagcg	ccggacacca	cccccgacca	agcgagcgct	1380
gagtgaggag	aaggaggacc	attcagatgg	cctggcaggg	ctcaaaggcc	gagaccggag	1440
ctgggtgatt	ggctcccctg	agatattacg	gaagcggctg	tcggtgtctg	agtcgtccca	1500
cacagagagt	gactcaagcc	ctccaatgac	agtgcgacgc	cgctgctcag	gcctcctgga	1560
tgcgcctcgg	ttcccggagg	gccctgagga	ggccagcagc	accctcagga	ggcaaccaca	1620
ggaggggtata	tgggtcctga	cacccccatc	tggagagggg	gtatctgggc	ctgtcactga	1680
acactcaggg	gagcagcggc	caaagctgga	tgaggaagct	gttggccgga	gcagtgggtc	1740
cagtccagct	atggagaccc	gaggccgtgg	gacctcacag	ctggctgagg	gagccacagc	1800
caaggccatc	agtgaacctg	ctgtgcgtag	ggcccgccac	cggtgtctct	ctggggactc	1860
aacagagaag	cgcactgctc	gccctgtcaa	caaagtgate	aagtccgcct	cagccacagc	1920
cctctcactc	ctcattcctt	cggaacacca	cacctgctcc	ccgttggcca	gccccatgtc	1980
cccacattct	cagtcgtcca	acccatcatc	ccgggactct	tctccaagca	gggacttctt	2040
ggcagccctt	ggcagcatga	ggcctcccat	catcatccac	cgagctggca	agaagtatgg	2100
cttcaccctg	cggcgcaattc	cggtctacat	gggtgactcc	gatgtctaca	ccgtgcacca	2160
tatggtgtgg	cacgtggagg	atggaggtcc	ggccagttag	gcagggtctc	gtcaaggtga	2220
cctcatcacc	catgtcaatg	gggaacctgt	gcatggcctg	gtgcacacgg	aggtggtgga	2280
gctgatcctg	aagagtggaa	acaagggtgg	catttcaaca	actcccctgg	agaacatc	2340
cattaaagtg	gggccagctc	ggaagggcag	ctacaaggcc	aagatggccc	gaaggagcaa	2400
gaggagccgc	ggcaaggatg	ggcaagaaag	cagaaaaagg	agctccctgt	tcgcgaagat	2460
caccaagcaa	gcatccctgc	tccacaccag	ccgcagcctt	tcttccctta	accgtcctt	2520
gtcatcaggg	gagagtgggc	caggctctcc	cacacacagc	cacagccttt	ccccccgatc	2580
tcccactcaa	ggctaccggg	tgacccccga	tgctgtgcat	tcagtgggag	ggaattcatc	2640
acagagcagc	tccccagct	ccagcgtgcc	cagttcccca	gccggctctg	ggcacacacg	2700
gccagctcc	ctccacggtc	tggcacccaa	gctccaacgc	cagtaccgct	ctccacggcg	2760
caagtcagca	ggcagcatcc	cactgtcacc	actggcccac	accccttctc	ccccaccccc	2820
aacagcttca	cctcagcggg	ccccatcgcc	cctgtctggc	catgtagccc	aggcctttcc	2880
cacaaaagctt	cacttgtcac	ctcccctggg	caggcaactc	tcacggccca	agagtgcgga	2940
gccaccccggt	tcaccactac	tcaagagggt	gcagtccggt	gagaaaactgg	cagcagcact	3000
tgccgcctct	gagaagaagc	tagccacttc	tcgcaagcac	agccttgacc	tgccccactc	3060
tgaactaaag	aaggaaactg	cgcccaggga	agtgaagcct	ctggaggtag	ttggagccag	3120
gagtgtgctg	tctggcaagg	gggcctggcc	agggaaaggg	gtgctgcagc	ctgctccctc	3180
acgggccccta	ggcacctctc	ggcaggacgg	agccgaacga	cgggagtcgc	tcgagaagca	3240
agaagccatt	cgtgagggtg	actcctcaga	ggacgacacc	gaggaagggc	ctgagaacag	3300
ccagggtgca	caggagctga	gcttggcacc	tcaccagaaa	gtgagccaga	gtgtggcccc	3360
taaaggagca	ggagagagtg	gggaagagga	tcttttcccg	tccagagacc	ctaggagcct	3420
gggcccattg	gtcccaagcc	tattgacagg	gatcacactg	gggcctccca	gaatggaaag	3480
tcccagtggt	ccccacagga	ggctcgggag	cccacaagcc	attgaggagg	ctgccagctc	3540
ctcctcagca	ggccccaacc	taggtcagtc	tggagccaca	gaccccatcc	ctcctgaagg	3600
ttgctggaag	gcccagcacc	tccacaccca	ggcactaaca	gcactttctc	ccagcacttc	3660
gggactcacc	cccaccagca	gttgctctcc	tcccagctcc	acctctggga	agctgagcat	3720
gtggtcctgg	aaatccctta	ttgaggggcc	agacagggca	tccccaagca	gaaaggcaac	3780
catggcaggt	gggctagcca	acctccagga	tttgaaaaac	acaactccag	cccagcctaa	3840
gaacctgtct	cccagggagc	aggggaagac	acagccacct	agtgccecca	gactggccca	3900
tccatcttat	gaggatccca	gccagggctg	gctatgggag	tctgagtgtg	cacaagccag	3960
tgaaagagga	tccagccctg	agcatcaccc	aagtgcctga	tgctcaggt	gacagaaggc	4020
aggcagttcc	atgcccaggc	tgccccctca	cccagaagtc	tgagcccagc	ctcaggaggg	4080
ggcaagaacc	agggggccat	caaaagcatc	gggatttggc	attggttcca	gatgagcttt	4140
taaagcaaac	atagcagttg	tttgccattt	cttgcactca	gacctgtgta	atatatgctc	4200
ctggaaacca	taaaaaaaaa	aaaa				4220

<211> 1471  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <221> misc feature  
 <222> (237)...(1287)  
 <223> similar to gi6017904 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 6138  
 ggcacgagct tttttcctga gcctcagagc taaaatgccc ccgagctctt tcctattggc 60  
 tggaaagacg aattgaagtt cccttgccca tgtaggagg tgtagcctc ctgaactaaa 120  
 gatagaaaca gctggccctt ccaggcagct aaaagcctcc agactaagag gtgttcccca 180  
 ttgcgcagcc agactccttg aaataccctt tcagtaatca ttcaaccaac gcttccatgt 240  
 ctctactctg tcgtaacaaa ggctgtgggc agcactttga ccctaatacc aaccttctctg 300  
 attcctgttg ccatcacctt ggggtcccaa tcttccatga tgcacttaag gggtgtgcct 360  
 gctgccgaaa gcgaactgta gatttctctg agttctttaa catcaagggc tgtactatgg 420  
 gaccacactg tgctgagaag cttcctgagg cccctcaacc tgaaggccct gctacaagca 480  
 gtacacttca ggagcaaaaa cctctgaatg tgattccaaa gtcagcagag accttgcgcc 540  
 gggagaggcc caagtccagag ttgcctctga agctgctgcc gctaaatata tccaagccc 600  
 tggaaatggc attggaacag aaggaattag accaggaacc tggggcagga cttgacagtc 660  
 tgatccggac tggttccagc tgccagaacc caggatgtga tgctgtttac caaggccctg 720  
 agagtgatgc tactccatgt acctaccacc caggagcacc ccgattccat gaggggatga 780  
 agtcttggag ctgttgtggc atccagaccc tggatttttg ggcattcttg gcacaaccag 840  
 ggtgcagagt cggtagacat gactggggga agcagctccc agcatcttgc cgccatgatt 900  
 ggcaccagac agattcctta gtagtgggtga ctgtatatgg ccagattcca cttcctgcgt 960  
 ttaactgggt gaaggccagt caaactgagc ttcatgtcca cattgtcttt gatggtaacc 1020  
 gtgtgttcca agccaccaga tgaagctctg ggggggtcat aaaacgtgga gccagagctc 1080  
 tgtcttcttg atgccatctg cgggttgaaa tctccctggt ccaaggctga ccaggatcc 1140  
 tgggcccag ctggagcacc ctgatgcact agctaagaag gctagggcag gggttgtgtt 1200  
 agagatggat gaggaagaat ctgacgattc agatgatgat ctgagctgga cagaggagga 1260  
 ggaagaggag gaagcaatgg gggaataagt gacaccaaga cagttgatgt ctagatagga 1320  
 cctcaatgat tcccttagaa tcttagatac caggatattg ttggccatgt ggcatcattg 1380  
 agcagcagga ggctgaagga ggggagaaca aaattgtcca aaccatgctg tttttttccc 1440  
 ttaaataaat cttgtattct tcagtttcaa a 1471

<210> 6139  
 <211> 1535  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <221> misc feature  
 <222> (1052)...(515)  
 <223> similar to gi5701565 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

```

<400> 6139
ttttttcaat tttgaagaat gtattttacca tctgggttccc tatggccctc aaccatttttc      60
acatgcttat ctcaagtcag attccaaagt atgcggaggg cagctgctaa tgacataattt      120
gttagtttta attttattct gcagacatta tgcagttcta taatataaaa tgaataacaat      180
actaaaatct atttccttta tttacatggg gtaacatttc caataacaaa cattttctaatt      240
catgaaagat ggtgttaaag cagaaaatatt gtcattgattg agtcaatggg agaacataaaa      300
atatgctgta tttcataaatt tttccgtaag aaaatgtcta gtttgtttaa atgcaacaaaa      360
tactgtatta gattcacttt ataagccata cactccttct tgtctttctt ttgaacacat      420
tctggaaggc agctgtgaag aacggagtag cgagtccacg ccattcaaca tccatcagaa      480
acctgcttgc ttgattatct taatcatctt gggatcgatt atcttcaatg ataatagttc      540
ttctaggata agattcaatt tctacaaata tataatcgaaa atcataattca ccacttcctg      600
ggttctcttt cacttgcgca tacaccgttc cttgcttccc tggctcagag ccctcaatgt      660
agaatttcac acacgtgtgt ttcagcccat cttttacata ttcagtgaac ctgacatgct      720
gccggcgacc ccgccttgtc acctcccat agcctttaac agactcacca aagacaccga      780
tcacctcagg atgtgatctg catttttcta aggctctccc atatatcttg ctaggactgg      840
atgaagaaaa aagttctttg aaaatcgtgt aaaacaagcc acctgtaatg ctgattccaa      900
aaagcaccac tattaatatg gtaaaatctc ttccggcttc tttcactttt tgtgatgttg      960
ggacggcggt tccccctctc tgactcctgt gcacagacac ttgtttgctg ctatcctcct      1020
ttgcttttgc ggggctcggt ccctgcgtcc agatggtttt ctgggtgact ccaagaatac      1080
atctaggtcg cagcgttttc ttttgatatt gaagcccaca tctcaaactg ggctcagtct      1140
tcaagcacgc tttgttaagc acgatgtatg gcaaaagcaa tcgctttgcc gaggacctgt      1200
gcagcttctc cgtatactgt acggctcgta gaaaagtaca aatcatgttc acggaaaatc      1260
gttccgctta gggacgatgc taactacaat taggaaagct ttagggttca ctacacatgc      1320
ggccggacac gtactcaagc ctatacgttt acattacatg ggggtgttagg caaaaacgtc      1380
agtttccgca gcgtaaatga aaacgaaaag tctccaggga gaacctgatg tctaccttcc      1440
cttctgtctt ctttccattt taattaacag gctctgatca ccttctgggc tgacattcac      1500
agtgtccccg ccatgccttc gcaaaagtcac ctggg      1535

```

```

<210> 6140
<211> 1132
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (10)...(640)
<223> similar to gi4929671 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

```

```

<400> 6140
cgatttcgta tggcgtagca gagcttgagg ctggagtacc tgcagatccc accggtcagc      60
cgcgcttaca ccactgcctg cgtcctcacc accgcccggc tgcagttgga attgatcaca      120
ccttttcagt tgtacttcaa tcttgaatta atctttaaac actttcaaat atggagatta      180
atcaccaact tcttattttt tgggccagtt ggattcaatt ttttatttaa catgattttt      240
ctatatcggt actgtcgaat gctagaagaa ggctctttcc gaggtcggac agcagacttt      300
gtatttatgt tccttttttg tggattctta atgacccttt ttgggtctgt tgtgagctta      360
gttttcttgg gccaggcctt tacaataatg ctcgtctatg tgtggagccg aaggaaaccc      420
tatgtccgca tgaacttctt cggccttctc aacttcagg ccccttttct gccctgggtg      480
ctcatgggat tttccttggt gttggggaac tcaatcattg tggacctttt ggggtattgca      540

```

```

gttggacaca tatatTTTTT cttggaagat gtattttccca atcaacctgg tgggaataaga 600
attctgaaaa caccatctat tttgaaagct atttttgata caccagatga ggatccaaat 660
tacaatccac tacctgagga acggccagga ggcttcgcct ggggtgaggg ccagcggctt 720
ggagggttaaa gcagcagtgc caataatgag acccagctgg gaaggactcg gtgataccca 780
ctgggatctt ttatcctttg ttgcaaaagt gtggacactt ttgacagctt ggcagatttt 840
aactccagaa gcactttatg aaatgggtaca ctgactaatc cagaagacat ttccaacagt 900
ttgccagtgg ttcctcacta cactgggtact gaaagtgtaa tttcttagag ccaaaaaaact 960
ggagaaacaa atatcctgcc acctctaaca agtacatgag tactttgattt ttatggtata 1020
aggcagagcc ttttcttcct cttcttgata gatgaggcca tgggtgtaaat ggaagtttca 1080
gagaggacaa aataaaacgg aattccattt ttctctcact gtaaaaaaaaa aa 1132

```

```

<210> 6141
<211> 7008
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1423)...(4713)
<223> similar to gi3043630 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 6141
tttcgtgggc tggcaggcgc ctgcgccgtt gtgctccttt caggacgcgc attctcgtc 60
cctccctcgg ctgcgcgcgc ccggtgggcg tgggaggagg cggggaaccg gggaggggtg 120
ggtgtcgcag gaggggaagga gcgaaccgga gagcgtcgtc ctgagaggag tgaaggcggc 180
aaaatggcgg accgcttctc ccgcttcaac gaagaccgag actttcaggg taatcacttt 240
gatcagtatg aggaaggaca cttggaaatt gaacaagcgt cacttgacaa gcctatagaa 300
tcgccagtt tttaaagcca ggataatatt ggacaccgct tactccagaa acatgggtgg 360
aagctgggcc agggattggg aaaatctctt caggggagaa cagatcccat tccaatcgtt 420
gtcaagtatg atgtcatggg catgggtcgc atggaaatgg agcttgatta tgctgaagat 480
gctaccgaac ggcgcctgtg cctagaagta gaaaaagaag acacagaaga gctgagacaa 540
aagtacaagg attatgttga caaagagaag gcaattgcca aagccttggg agacctcaga 600
gccaaacttt attgtgaact gtgtgataag caatatcaga aacatcagga atttgataac 660
catatcaact cctatgatca tgacacaaag cagagattaa aagatctgaa gcagagagag 720
tttgctcgaa atgtctcttc aagatcccg caggatgaga aaaaacagga aaaagccctt 780
cggcggctcc atgagttggc agagcaaaga aaacaagctg aatgtgcacc tggaaagtgg 840
cccatgttca aaccaaccac agtggctgta gatgaagaag gtggagaaga tgataaagat 900
gaatcagcta caaatagtgg cacagggtgc actgcttctt gtggcctggg atctgaattc 960
tccacagata aaggaggccc ttctactgca gtacaaatca ctaataccac tggactggcc 1020
caggctcctg ggttagcctc ccaaggcatc agctttggca ttaagaataa tctggggacc 1080
ccattgcaaa aattgggagt gtcattttct tttgccaaaa aggctcctgt caaactcgaa 1140
tcaatagcat cagttttcaa ggaccatgcg gaggaaggga cctctgaaga tggaaacaaa 1200
cccgatgaga agagtcttga ccaaggactg cagaaggtag gagactctga tgggagcagt 1260
aatcttgatg gtaaaaaaga ggatgaagac cctcaggatg gaggtccct tgcctcaaca 1320
ttatccaaat taaaaaggat gaaacgagaa gaaggagctg gggctacaga gcctgagtat 1380
taccactaca tccccccagc acactgcaaa gtaaaacctt attttccctt tctacttttt 1440
atgagagcca gtgaacaaat ggatggtgat aatactacac acccaaagaa tgccccagag 1500
agtaaaaaag gcagttctcc caagcctaaa agctgcatca aggcggcagc aagccaagga 1560
gcagaaaaga cagttagtga agtctctgag cagccgaagg aaaccagcat gaccgagccc 1620

```

tcagaaccag	gaagcaaagc	tgaggcaaag	aaggccttag	gaggggatgt	aagtgatcag	1680
agtttagaaa	gtcatagtc	gaaggtttca	gagacccaaa	tgtgtgagtc	caactcttct	1740
aaagaaacct	ctctggccac	cccagcaggg	aaagaaagcc	aagaaggacc	caaacatcct	1800
actggtccct	tcttcccagt	tttgagcaaa	gatgaaagca	ctgccctcca	gtggccatca	1860
gaactattaa	ttttcaccaa	ggcagaaccc	tccatttcat	acagttgtaa	ccctttatat	1920
tttgacttta	aactttcaag	gaacaaagat	gccagaacta	aaggaacaga	aaaaccaaa	1980
gatataggaa	gtcctcaca	ggaccatctc	caaggcctag	atcctggtga	gccaaataaa	2040
agcaaggga	tgggcggaga	gaaaatagta	cgctcctcag	gaggcagaat	ggacgcacct	2100
gcttcaggg	ctgcctgtag	cggcctgaac	aagcaggagc	ctgggggtag	ccatgggtct	2160
gagacagaag	acacagggag	aagccttccc	agcaagaaa	aacgatctgg	gaagtcccac	2220
cggcacaaaa	agaaaaagaa	gcacaaaaaa	tccagcaaac	acaaacgtaa	acacaaggct	2280
gacacagaag	agaaaagctc	taaggcagag	tcaggggaga	aatctaagaa	gcgcaagaaa	2340
cgaaaaacgaa	agaagaataa	gtcatcagcc	ccagcagatt	ctgaacgagg	acccaaacca	2400
gaacccccctg	ggagtggcag	tcccgacca	ccaagaagaa	ggcggagagc	tcaagatgac	2460
tcccagcgga	gatccctccc	agctgaagag	gggagcagtg	gcaaaaagga	tgaagggtgg	2520
ggtggtagca	gtccccaaga	ccatggtggg	aggaaacaca	aagggtgaact	tccaccttca	2580
tctgccagc	gaagagcagg	caccaaaccg	agcagccggt	ctagccatcg	gagccaaccc	2640
agtagtgag	atgaggatag	tgatgatgct	tcctcacacc	ggctgcacca	gaagtctcca	2700
tcccagtaca	gtgaggaaga	agaagaggaa	gattcaggca	gtgagcattc	ccgcagccgc	2760
tcaaggtctg	gccggcgcca	ttcctcgcat	cgcttctccc	ggcgttctta	ctcaagtagc	2820
tcagatgcct	cttcagacca	gagctgctat	agtagacagc	gcagttactc	tgatgacagc	2880
tacagtgact	acagtgcag	atcacgaagg	cactccaagc	gctcccatga	ctcagatgac	2940
tcagactatg	ccagctccaa	acaccgatca	aaacggcaca	aatattcatc	ttctgatgat	3000
gactatagcc	tcagttgcag	ccagtcccga	agccgatctc	ggagtcatat	cagagagcgc	3060
tcaagatccc	ggggccgcag	ccgcagcagc	agttgtagtc	gtagtcgaag	caagcggaga	3120
agccgtagca	ccacagccca	cagctggcaa	cggagccgga	gctatagccg	ggaccgcagc	3180
cgcagcacca	ggagcccttc	ccagagatca	ggctccagga	agagatcatg	gggtcacag	3240
agccctgagg	agaggcattc	tgggcgtcgg	gacttcattc	gttctaagat	ctaccgctcc	3300
cagtcccccc	actatttccg	atcaggccgg	ggagaaggtc	ctgggaagaa	agatgatggc	3360
agaggagatg	acagtaaagc	aacagggtcca	ccttcccaga	acagcaacat	tggcacagga	3420
agagggtcag	aaggtgactg	cagtccctgaa	gacaaagact	ctgtcactgc	caaactgcta	3480
ctgggagaaga	tccagtcaag	gaaagtggag	agaaaacct	gtgtgagtga	ggagggtcag	3540
gccacccccta	ataaagctgg	gccaaagctc	aaggaccccc	cacaaggtta	ctttggggccc	3600
aagctcccc	catctcttgg	caataagcct	gtccttccac	tgatagggaa	gctcccagct	3660
acgcgaaagc	ccaataagaa	gtgtgaagag	tctggcttgg	aaagggggga	agagcaagaa	3720
cagtcagaga	cagaagaggg	gcccccaggg	agtagtgatg	ccctatttgg	gcatcagttc	3780
cctttcagag	gaaacaactg	gcccccttatt	agacccaccc	ccagaagagt	caaagtctgg	3840
agaagttact	gctgatcacc	ctgtggctcc	gctaggcccc	ccagcacatt	ttgactgcta	3900
ccttggggac	ccaaccatct	cccataacta	cctccccgac	cccagtgatg	ggaacaccct	3960
ggagtccctg	gatagcagca	gtcagccagg	ccctgtggag	tccagcttgc	tgccatatagc	4020
accagacctt	gagcatttcc	ccagttatgc	acctcccagt	ggggatccta	gtattgagtc	4080
aacagatggg	gctgaggatg	ctatcactgg	cccccttgg	aagccagccc	atcaccttca	4140
cccctgagga	gatggagaag	tacagcaagc	tccagcaggc	tgctcagcaa	cacatccagc	4200
agcagcttct	ggccaagcaa	gtaaaaggcct	ttccagcctc	agctgccctg	gccccagcca	4260
caccagccct	gcaacccatc	cacattcagc	agccagctac	agcctctgcc	acctccatca	4320
caactgttca	gcatgccatc	ctacaacatc	atgctgccgc	agctgctgcc	gccatcggca	4380
ttcacccctca	cccccatccc	caaccacttg	cccaggtgca	tcatattccc	cagccccatc	4440
tgacccccat	ttctttgtcc	cacctcactc	acctaatcat	ccctggccac	cctgccacct	4500
ttctcgctag	ccatcccatc	cacatcattc	ccgcctcagc	catccatcct	gggcccttca	4560
cctttcaccc	tgtcccacat	gctgccctct	acccacacct	acttgctcca	cggccctgctg	4620
cagcagctgc	cactgcactt	caacctcacc	cactacttca	ccccatcttc	tcaggtcagg	4680
acctgcaaca	tccccccagc	catggcacgt	gagttggggg	atgggatcct	aggtagggcc	4740
aggggaggag	accataaat	gttcccttgg	gggtgttgag	ccattaatac	cagcaagtag	4800
aagctgggat	gggcagtgtc	tgacagccaa	agaattgagt	tttggcttgc	aggggtgggt	4860
ttagatttga	agtttgcttt	cagtttacta	tcagggattt	ctttttcctg	tcctcctctc	4920
aatttgtccc	tccctcttct	gtgtttctaa	gctaggggaa	accagtaagt	gctacccacc	4980
cctctgcagc	aacatctcca	aactgtcaag	tttagataat	cccctcctcc	ctctgctttt	5040

t t c t c t g c t	c t t c c c t t c t	g t a a a t t t t a	a a a c a t t t t c	c t c c c c t c t g	g c c a g t g g g t	5100
t g t c a c c a g a	g c a c t t g c t g	t g g g c c c a t c	t g g t c t t g c c	t t c t c a g c g c	c a c a g g g a a g	5160
g c c a a g c t g t	t c t a g t g g t g	g a a g t g c c a c	c a t t t t g g g g	t a g t a t c t t t	g a c c a t c t t t	5220
g g t g a c g t t a	c g t t a t c c c a	g g t g a g g t g g	a a a g c g t c t c	a c c t g g a a c c	t g a t a t a a c t	5280
c a g g c t g c a a	t t c c a t c c a g	t t c c c a c a t c	a a c g g a g c c a	c a c a t t t g g c	a c t g t t a t c t	5340
t g g t a t c c c t	c a t c c c a g a a	g a g g c a t c t c	c a t a t c c c a g	a a a a g a a g a t	c c t a t c a t g a	5400
a t a a a a g c t g	t a t g g c c c a g	a g a g g a g c t c	a t g t g t c t a a	a g t g a a g g g t	a t a t t t t c t t	5460
c t g t t g t g t t	g a t g t t t c c t	t c t t a a t t t a	t a g g a t t t t t	t t a a t g t a a a	a a a t t g c a c t	5520
g a a c t c t a t a	a a c g t a a a t g	c t g c t t t t t g	t a g t c t a t a t	a a a a a a g g t t	c c a t a t t t g t	5580
a g t a t a c t g c	a a t a a t a t t t	t t t a c a t c c a	g c t c t t t a a g	t g a t c c t c g t	t c t g g t g g c t	5640
t t g t g t a a a t	a t g t t t g c c c	t a g t t g a a t t	a a g a a a c t c t	a a a g g t t a t a	a a a t g a a a a c	5700
a a a a a a t a a a	a t a t t t g t t t	t c t g c t a g a t	g c a a a a c t g a	c t a a g c a t g t	a t a t t t t a c c	5760
a a a c t t a t g t	a t t t t t t g a a	g t t a t g a a c t	a t a a a a t g t t	a a a a c a t t t t	t t g c t g g g a c	5820
a a a a t g t t a a	g t a a t t t g c a	g t a t g t a g t g	c c c c c a g t a t	t g g g a t t t t t	g a g c t a a t g g	5880
g c a g c a g t c a	g c t g g g g g c t	t c t g a g g g a t	g c t c a t c t t t	a a c a g t c t c c	c t c a t g t a c t	5940
t t t g c t g t t t	t a c a c a g a g a	a a c a g g t a g a	c c c c a c a g a g	g a g a a g g a g g	g g a t t c a a c a	6000
g c t t t a t t g t	c t g g a a g c a g	t g a g a t t t g g	t g a t t g t c t g	g g g g g a t t c c	t g g g t t t c c c	6060
t g g g t a c c t t	g t t c c a g g c a	g t c a g t c c a t	t t g c c t t c c t	a g t a c t t a g c	c c c c t c t g a c	6120
a a t t t t t t t t	t t a a t g t g c c	t t t t g g g t t g	g t a g a a a c g g	a a g t a g a a g t	a g g c t g g a g g	6180
a t g a g t t g g g	a c a g t c t t c c	t t t t g t t g g g	a g g t g a g c a c	a t t t a c a g a t	a t t t t g c t t c	6240
a t a g t t t c c a	t g c c c t c t g c	c c a g e t c a g t	t t a g a c a g t a	a a c g t t c c t t	g t t t c t t t t c	6300
t c c c a t g a c a	c t g a c a a g a g	g a a t t a c c a c	c t c a g c c t c t	t t t g c c c c t c	t t c t t g c c t t	6360
t c a c c c a g g c	t c t c a g c c c t	a a t t a a c a c a	c t g a c c c a a a	g g t g c t t g t g	t t g c a g g t c c	6420
c a t c t c c t t t	g a t g a g g t t a	a c a a t t c c c a	c t t t g g c a t t	t t c c t a a c t a	t t c g t g t g g c	6480
t a g a a t t g g t	t g g t t g g t c a	c t t g a c a a g a	a a a a c c a t a c	t t a c c t g g g c	c a a g g c t c t g	6540
t t c c t g c c t t	c g c a a a t t c t	c a a a a g a g t a	a a g t t t a t g a	a a a g a a a g t g	g c a g g c a a a c	6600
a c a a c t c t t g	a c t g c c c t c c	c a c c c t c c t a	c c t g t t c a g t	a c t c a t c t g a	t t c a g a a g c a	6660
t c a c t t c t t g	g a t a a c t a g c	a c t g g a a a a a	t g a a a t c a t c	t g t t a a g t g	a a g g a c t c a	6720
t t t t t c t t t g	c t t t c a g c c c	a t g t a a a t a a	a t a a t a c a g t	a t t a a c a t t t	t c g t g t c t g c t	6780
t c c c a t t a g c	t t g t a g a t t g	a g c c a t a c t c	t g g c t g c c t c	t t t g c c t t c c	t a g g g g c a t t	6840
t t c t t t a a c t	t c c a g a a t a g	t g a t t t t a a a	a g t a a a a a t a	a a a a t a a a c c	t t a c t t a c a a	6900
g c a t a a c a g a	t t g t a t t t a a	c t t t a t c a c a	t a t g a t a g a g	a t a t a t a t g c	t g t a a a a t g a	6960
g g g a a a g g a a	c t t t c t a a t a	a a c c c a a t c g	a t t t g t g g a a	a a a a a a a a		7008

```
<210> 6142
<211> 2448
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> (44)...(1743)
<223> similar to gi5852834 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```

<400>	6142						
cgacggggagg	caggagggggc	aggctcagga	gggagttggc	aggatggcag	agggcaaggc		60
aggcggcgcg	gccggcctct	tcgccaagca	ggtgcagaag	aagtttagca	gggccaggga		120
gaaggtgctg	cagaaattgg	ggaaagctgt	agaaaccaa	gatgaacgat	ttgaacaaag		180
cgctagcaac	ttctaccaac	aacaggcgaga	aggccacaag	ctgtacaagg	acctgaagaa		240

```

cttccttagt gcagtcaaag tgatgcatga aagttcaaaa agagtgtcag aaaccctgca 300
ggagatctac agcagcgagt gggacggtca tgaggagctg aaggccatcg tatggaataa 360
tgatctcctt tgggaagact acgaggagaa actggctgac caggctgtaa ggaccatgga 420
aatctatggt gccaggttca gtgaaattaa ggagagaatt gccaaagcggg gtcggaaact 480
cgtgggactat gacagtgtcc gacaccacct ggaggcagtg cagaatgcc aagaagaaaga 540
tgaggccaag actgccaaag cagaggaaga gttcaacaaa gcccagactg tgtttgaaga 600
tctgaaccaa gaactactag aggagctgcc tattctttat aatagtcgta ttggctgcta 660
tgtgaccatc ttccaaaaca tttccaactt gagggatgtc ttctacaggg aaatgagcaa 720
gctgaaccac aatctctacg aggtgatgag caaactggag aagcaacatt ccaataaagt 780
ctttgtggtg aagggactgt caagcagcag caggcgctct ttagtcattt cccccccagt 840
tcgaacagct acagtctcca gtccctctac ctcacctact agtccctcta cactttcctt 900
gaagagtgaag agtgaatctg tctcagcaac tgaagatctg gcacctgatg cagcccaagg 960
ggaagacaat tctgagatca aggagctctt agaagaggag gaaatagaga aggaaggatc 1020
tgaagcaagc tcctctgagg aagatgagcc tctaccagcc tgcaatggcc ccgccaggc 1080
ccagccctct cctaccactg aaagggccaa gttcccagga ggaagtctc cccagctcca 1140
caactccatc accaggcgga gccctgagcc cttcagggca gccttcatca tctgccacag 1200
aagtagtcct ccgaacccgc accgcaagtg aaggatctga acaaccaaag aagagagcct 1260
ctatccagag gacctcagca cccctagta ggctcctcc acccagagcc actgcaagcc 1320
ccaggccctc ctcagggaac ataccttcca gccctacagc ctctggaggg ggttcaccca 1380
ccagccctag ggctccttg gggactggga ctgcaagtcc taggacctcc cttagaggtct 1440
ctcctaatac agaaccacca gagaagccag taagaactcc tgaggccaaa gaaaatgaaa 1500
acatccacaa tcagaaccct gaagaacttt gtacttcccc caccttaatg acatctcagg 1560
ttgcttcaga gcctggagag gcaaagaaga tggaagacaa ggaaaaggat aataagctta 1620
tctcagctga ctctcggag ggccaagacc agcttcaagt ctccatggta ccagaaaaca 1680
acaacctcac agcacctgaa cctcaagaag aggtatccac aagtgaaaat ccacaactct 1740
gaagagaaac taccaagact ctcctgccc caaacctcgc cagagaagct cttcaaccag 1800
agggatatag tcagagggat ataagagcca gcatccatcc ctgggttctc agtaggaatg 1860
ctggtgctgt ctaaagacct ggcattaatg gaggcggagg agcagcctta cgggagggat 1920
ggaggaggag aggtgaggga gaagagaaca ttagactcag ggaatattta attctggttt 1980
tagcattatt agaataagac ttatacatt aactaaagtg gagctttaat cactataaaa 2040
agcaaaagta tctatagaca cagacacttg cctatacaga gacataacca cacacactca 2100
gaggatagtg aacaaatctg tctttgactt acgacccatt ttgcaagact taaagccgaa 2160
agaacacatt ttcagattgt taaataaagt ctgattctga aaaaaaaaaa aagggggggc 2220
cgttttaaa gatccctggg ggggcccagg tttacgcggg catgcgaagg taatagtttt 2280
ttccttatag gggggcgat tataacctac ctgggaattt ttggaaagga cccttacttt 2340
ggggggggga catattggga caacctccct acagaaattt aaggctctag ggaaaaatata 2400
aaattttaaa ggggtataagg gggaaaacta gcggcatagg ctggcggg 2448

```

<210> 6143

<211> 2495

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (2121)...(106)

<223> similar to gi6002955 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 6143

tttttttttt	ttaaacaggc	tccccagag	aaacgaatgc	attttatttt	aggttaacaaa	60
agtagagtca	agtatttttt	caaagttcat	atacaggcac	agtctcagtg	aactggcgctc	120
agggcctcgt	acagtctctg	tgcagccagc	tccaccattt	ctcggaggga	ttcatcgtct	180
tcacttccct	cttcacattc	tacagtccgt	gtctccaagt	taaggttggc	agttttccc	240
tccactgtga	cgctaagaat	agagtcaccc	tttacctta	cacagtcttc	tccaaatatg	300
tcttgagca	tgatctccaa	cctcttgctg	taaacgtgca	tttctaattt	tttagaaacc	360
ttctgtactg	caccttttct	tattttggga	tttgactgaa	cttccaatat	cacagttgtt	420
actgtatctg	catacatatc	attagaagg	tttgccagcc	attctaatac	caccatgcct	480
ggttcttgta	ttacagtaat	atttttgaac	actttcagag	caggtttttc	ttgaatttct	540
aattcttcca	catcacctgt	caatttctgc	agctggtaac	agagcaaatt	aaagggacca	600
gtatatggaa	tggcttgggt	ctgcttcacc	gtgctcatgg	ccaggtcagt	ataattggac	660
aggtcgcaag	gagaaagtat	gtgataatta	aagtttcttt	taacaagtat	tcctgagacc	720
cgctggcctt	gttctgggtt	tttgtctgct	aaaaatccca	taaccttggc	tagtttttct	780
cctctgaagt	ttaaggtcac	tgcttctgta	ttccgaggat	tatgaacctc	tatgtgaact	840
tcatcgttat	cttcatattc	tccaatcagt	gctgctttca	atctggccat	ttcattctgt	900
tctccatgga	ctaaaatcac	atgaggcggt	ttcaaagcac	gaataaattc	actggtttgc	960
tggtaatccg	tgtgagctga	gaaagaaatg	taatcaacag	acattttcag	tggtaacttc	1020
tgtccagaca	tagtagtgat	ttcttcaggt	tcagacatga	tgtgcttggc	aagtgtccct	1080
tctacacagt	atcccgctat	aatgacacca	ttcctcttat	cagtacacca	gctttcaaat	1140
aattctctgg	ataagccact	ttgcatcatg	cctggggagg	ccattacaac	actgggacca	1200
atgtcatcaa	aatgatccat	gctcttgagg	ttactaatgt	gtttgaaaac	aaagggatta	1260
ttgatgttga	tctgtttgcg	gattttgtca	ttcatggcat	ttacatatgt	ctggtacact	1320
gccatacact	tcttggccaa	agatgatgca	tagtatattg	gaatgtcatg	tagttctggg	1380
tgattctgcc	agtactcatc	tagaatcaag	agcagctcct	gagcccttcc	aagagcaaag	1440
acaggaatga	gacccctgcc	tcctctgttt	acaatatcgt	ggacagtgtt	acagaatctt	1500
gcttctcgct	cttcacgttt	ctcatggata	tgggtcccat	aagtagattc	aatgataaga	1560
atatcaggct	taatattagg	aatttcagct	gccattaagt	gcctatcttc	ttgtcttgag	1620
aatcaccag	tgtacaaaag	cttcacgcct	gcgatctcaa	tcatgaacat	ggcggtcct	1680
aggacgtgac	ctgcatggta	acaccaaacc	ttgattccc	caacttcctt	aacttcatga	1740
aagttgatag	tttcaatttt	gtccatgctt	tcttccaaat	ctgtcctcgg	tataccagca	1800
tgtcgtctgc	tgatatgtta	ctaactttga	cataatcaga	aagaagccat	ctataaatag	1860
cttttgtggc	atgagtcata	aatgttcttc	ctttgaaact	tgtcttctgt	agaaaccagg	1920
gcagagctcc	acaggtgatc	caaatggaaa	tgactaatta	ataggagatc	aatctcagct	1980
gggtcaatta	aatcaatata	aggaagagca	tccattcctt	ctaggccagg	gtggatccca	2040
cagtcgagca	ttatttttct	tcctttgaac	tcgagaataa	tacatgatct	tcctacttct	2100
tgcccagctc	cacctcccct	gaaactgatg	aaaaagcaaa	atcccgttca	ctctatagca	2160
ggcccccttc	gatcaacggg	cctccaaccc	ctcgagcctg	agaagcctgg	cccgaagcg	2220
cggaccaaag	gcaggctgcc	ggggtagggtg	ggagcgcggg	cgacggagga	ggccagtctc	2280
cggttacccc	tgcgccccct	cacagcccgt	ggcttcattc	cctctctcgc	tggtccctta	2340
caggggtcgg	atcagcagct	ggtcgctctc	ctcagcagga	atcgagaca	tcccgaaggt	2400
gtgagggcga	agcgggggtg	aggaacaggt	cgccgggggc	ttcctaaatt	ggaagcacag	2460
ccaccggtaa	ataaaaaagg	aagaacccca	cgaaa			2495

<210> 6144

<211> 3499

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (3140)...(1083)

<223> similar to gi4583652 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters



```

<400> 6144
tttttttttt ttacagtctt tgttgtaagt gtgttattgg tagaaacaga tgcttgcaat 60
gcatactttg tgtttatata aactgctaca tttcttctta aagggttttcg ttttgttttc 120
actggagatt tttagcctcc aagtgaactt aacatattgc ctatgcatct ggattcttta 180
tagactttta gatttttaaaa cttaaattga gaaaccatgc atactgtata ccttatttta 240
taatccaaag aattgtttgc actttcaaaa aagttacata aaggctgtgc acaagttaaa 300
taaccctata tggatgtaaa ttttccatt tctgaatact ttttcagtat tataatttgc 360
ttgctgtcta ataagttaga ttgtcagaga cgcttcagta aattatctct actttaaaat 420
tatatctgaa tcccctttct ctgagatgaa cttgccata ttaaaccattg tgccatattg 480
cagtattagc ccaaaagctt aaataagaac caaacttgta gactgaatat tttaacctta 540
aaattatata cctatatata cacctatggg atgctgcata ttaaatttaa catttcaagt 600
aacatatata tagcaaacat tcagccaaat actctttcat gaaaagatac tgtccttaaa 660
ataaaaagtt aatgaaaagc ttatttagac acaaattgtct agatataagt actaagccta 720
tgaaacttga agctaaagtc tgcgtacta ttaagaaaaa gaagattgat tcttaacctta 780
ctgaattgtg cagatacaaa agtgcttagc atgacaaaat taccaaaata aaaacatttt 840
agaggttatt tgggtctagc aatattaact attctgtatt tctggataat ttaacatttg 900
tattttaaat tttatataaa tttcttttta acaagtttaa aaaagcacac gaaaaatagt 960
tcaaactata tataatctgt tatttttcat cctggttagc taatcacaaa taactcagca 1020
aaacaatgct tgaacattca gttctactaa aaaacagtat ttgagtagat cccatcacct 1080
taccatttgt ttgctatggt agaccctaaa acaggctgcc gacagatcgg acaagtgcaa 1140
ttctctgaga gccatcgggc aatacaatga atgtgaaatt catgcatgca aggtaattgc 1200
ctgagcttgt ttccagttac atagtcaact atacaaacac tacagatttt acctagttca 1260
ctatcaatac tgttatgctc atagtgcctg gtggaagat tgtcaatctg ctctttgggt 1320
aaaccacgta ttcgatcatc atcatcactt tcatttagta aaaaaaagtg agcaaggcga 1380
agaatgggta gtgttccagt ttcaactaaa ttgtttgat ttcgcaactg cctgccaccc 1440
ctactgtcac tgtttcagat atgaggctgg gtggtctcgt tttcaccatg catttcagt 1500
ctgtctcctt gggcctgcct gtcttgagag gaaccttccc tgtgctggct cctgttgta 1560
tctgtacctt agttactcag ttctgagtc atgtctggtt aatgctggcc atttcttgta 1620
agttctgact cagaatcggc ctccattaga gaactcagtt ctccaaaccc agtcatgac 1680
tgcttataaa ttgaccgaag agccactgat gatggctcaa caagctcatt ctcaaaaac 1740
ctacgaagag gaactgttat ggtactaaca taggttcgaa tacctgaccg ctctaaacga 1800
gaaatgggtc ggcgaaagcc cccactattg ctttcaatag tgactgtatt ttctgctagc 1860
cctactctgg atcgagttct atttgcaata ctatccgat ctctattttc tccaggacgg 1920
atccttctc acttgaaggt ccagtgtgat tgttgagatg cgtcgtacag cagttgagga 1980
tctgctggat tcttctcctt ctctactgt tattcttgac acaagccttg aattagagaa 2040
tggggtatat gcagtaacct tgcgttctcg ttctctatct tgctctaaaa agactcgagt 2100
tctacctctc ctctaacag atcttctagt ggtttgctgt actggtctac tttccctttg 2160
ggaattatga taaacagtgc cactctgtct ctgaattggg gaacggcttc gactattgga 2220
agtagatcgt aatcttattg gctctaactt ttggtttgta ttctcactg taacattact 2280
tctagcccca ttttccaaa catgtgctgc tccaaaccgt tgccccctcc tttgctgag 2340
ttcactacca cctgattggg ttgtgtgact actgaaatta gtgctggaag cgtagctcg 2400
aggaatgcca gctgctcccc caattccatt tcttaacctt cccaatgttg agaaagatcc 2460
ttcagctgga ttttgcccc ttgaagcaag cctagtcctt ggaatgttg aactactacc 2520
attgaaattc actgaggttt ggcttcttgt tcgcttagcc acaggactaa gttgaccttt 2580
gttgccattt tgcagtatga tctctgttac tatctgaaag tggaatgtct gtataacttt 2640
ctccatgaat ttcaaatcct ctattttcat gatttacgtg gatttccaaa ctaaacgaa 2700
actctccatt gttcgggttt gttcgactca cagctctcca agtttggttc ccattttgtc 2760
cacttcgagt tgcatttctt gtgcgcgcaa aggtgttcaa ccattctaga agagaatctt 2820
catgtgaact ttctctaggg acttctgagt ctctgtaatt cgttccatct ctcaagtcag 2880
gctgagatgc tagttgttcc ttgacgccat ctaaccgctg ttgcagttct tctgatgtta 2940
tttctccagg ggtgcctaaa agattatggg ctctcataag ccgataatct tcatcattga 3000
gttcattaat aaactgataa taggcctctt ctctgtggag acgctcttgc tgccatcttc 3060
tctcattttc atgatgatta tggctttgag gtaagggttc ttcactgcca ccatctgac 3120

```

tcgatctaga	ctgattcatc	ctgagattcc	tggcttttctt	attttccttt	caacacgctt	3180
ttaacatatg	ccatggatc	catccttcaa	ttgtttgtgc	cttttttgag	agctgaccat	3240
ctctccaggt	cttgggcctt	cgccttcctg	tccggagaac	gtgtgctgtg	ggcggccgtt	3300
ctctcgggtg	ctggaggctg	tggttgggag	gcgggatagg	cttgccgccg	cgcctccgga	3360
gcccgtgtg	ccctcgaatt	ggccactgag	gagagaagcc	ggaagcccgt	gctgcagcgt	3420
ggggtcgtcc	agctggaggg	gatactcggg	aggaagaacg	gcaggcccca	gcccttcttt	3480
cccgcagacc	acgacgccc					3499

<210> 6145  
 <211> 4286  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <221> misc\_feature  
 <222> (623)...(2150)  
 <223> similar to gi4240187 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 6145						
gtcctttttc	ccgggtccac	ccacgcgtcc	gcccacgcgt	tcgggaaaat	aaagcttttt	60
atattttgtt	ggtgtggaca	tggataaccc	tattggcaac	tgggatggaa	gatttgatgg	120
agtgcagctt	tgtagttttg	cgtgtgttga	aagtacaatt	ctattgcaca	tcaatgatat	180
catcccagag	agtgtgacgc	aggaaaggag	gcctcccaaa	cttgccctta	tgtcaagagg	240
tgttggggac	aaaggttcat	ccagtcataa	taaaccaaag	gctacaggat	ctacctcaga	300
ccctggaaat	agaaacagat	ctgaattatt	ttatacctta	aatgggtctt	ctgttgactc	360
acaaccacaa	tccaaatcaa	aaaatacatg	gtacattgat	gaagttgcag	aagaccctgc	420
aaaatctctt	acagagatat	ctacagactt	tgaccgttct	tcaccaccac	tccagcctcc	480
tcctgtgaac	tactgacca	ccgagaacag	attccactct	ttaccattca	gtctcaccaa	540
gatgcccaat	accaatggaa	gtattggcca	cagtccactt	tctctgtcag	cccagtctgt	600
aatggaagag	ctaaacactg	caccgcgtcc	agagagtcca	cccttggcca	tgccctctgg	660
gaactcacat	ggtctagaag	tgggctcatt	ggctgaagtt	aaggagaacc	ctcctttcta	720
tggggtaatc	cgttggatcg	gtcagccacc	aggactgaat	gaagtgtctg	ctggactgga	780
actggaagat	gagtgtgcag	gctggtacgg	atggaacctt	caagaaggca	ctcggtatatt	840
cacctgtgcc	ctgaagaagg	cgctgtttgt	gaaactgaag	agctgcaggc	ctgactctag	900
gtttgcatca	ttgcagccgg	tttccaatca	gattgagcgc	tgtaaactctt	tagccatttg	960
ggaggcttac	ttaagtgaag	tagtggagga	aaatactccc	acccaaaaat	gggaaaaaga	1020
aggcttggag	ataatgattg	gggaagaaga	aaggcatcca	gggtcattac	aattcttgtt	1080
acttagactc	aaccttattc	tgcttatttg	cttttagttc	tgttctggac	actgtgttac	1140
ttagacccaa	agaaaagaac	gatgtagaat	attatagtga	aaccaagag	ctactgagga	1200
cagaaattgt	taatcctctg	agaatatatg	gatagtgtg	tgccacaaaa	attatgaaac	1260
tgaggaaaat	acttgaaaag	gtggaggctg	catcaggatt	tacctctgaa	gaaaaagatc	1320
ctgaggaatt	cttgaatatt	ctgtttcatc	atattttaag	ggtagaacct	ttgctaaaaa	1380
taagatcagc	aggtcaaaaag	gtacaagatt	gttacttcta	tcaaattttt	atggaaaaaa	1440
atgagaaagt	tggcgttccc	acaattcagc	agttgttaga	atgggtcttt	atcaacagta	1500
acctgaaatt	tgcagaggca	ccatcatgtc	tgattattca	gatgcctcga	tttgaaaaag	1560
actttaaact	atttaaaaaa	atttttcctt	ctctggaatt	aaatataaca	gatttacttg	1620
aagacactcc	cagacagtgc	cggatatgtg	gagggcttgc	aatgtatgag	tgtagagaat	1680
gctacgacga	tccggacatc	tcagctggaa	aatcaagca	gttttgtaaa	acctgcaaca	1740
ctcaagtcca	ccttcatccg	aagaggctga	atcataaata	taaccagtg	tcacttccca	1800

aagacttacc	cgactgggac	tggagacacg	gctgcatccc	ttgccagaat	atggagttat	1860
ttgctgttct	ctgcatagaa	acaagccact	atgttgcttt	tgtgaagtat	gggaaggacg	1920
attctgcctg	gctcttcttt	gacagcatgg	ccgatcgga	tggtagtcag	aatggcttca	1980
acattcctca	agtcacccca	tgcccagaag	taggagagta	cttgaagatg	tctctggaag	2040
acctgcattc	cttggaactcc	aggagaatcc	aaggctgtgc	acgaagactg	ctttgtgatg	2100
ccatataatgt	gccatgtacc	cagagtccaa	caatgagttt	gtacaaataa	ctgggggtcca	2160
ttcgggaaaa	ggcaaagaaa	ctgaaggcca	gaagtcccta	acgtttgcatc	ttattcggag	2220
ctggcagttc	ctgttccacg	tcccattgcc	cggcaatgga	tgtctttgtg	gtgatgattc	2280
ttcagaaaag	gatgcctctg	tttaaaaaca	aattgctttt	gtgtccctga	agtattttaat	2340
aagaagcatt	ttgcaactta	gaaagtatgt	ttgtgttggg	tttttaagaa	gtctaaatga	2400
agttattaat	acctgaagct	ttaagttaag	tgcattgatc	atatgatatt	tttgggaagca	2460
tacaatttta	attgtggaag	tttaaaagcct	cttttagtcc	attgagaatg	ttaaataaatg	2520
tgtcttcttt	atggaccaag	gatatgaaat	catttttctt	ttgtagctaa	cggttgcctt	2580
gaggaagaaa	taatttggtt	ttattaagag	tctactctca	atccagttat	tagagatgta	2640
ctgagtttga	tttgttaatc	ctttctatat	actgctgac	ttgcatgtct	acaatctgct	2700
cagtttttct	gtgtttctgc	aatagtgggtc	agaaaaatac	ttaaattccc	ttaatgggtgt	2760
tgttttctat	ttgttctggg	tttgagataa	atgagtgatt	ctgtccccaa	atgtccattt	2820
ttgaagtgat	tttcttgagg	gattagggtta	tttagcagtt	gaagctcttc	attcatagta	2880
gttactgtca	gctaacaggt	tttttaaggc	ttttaactat	taatatttta	tgggaatggg	2940
caaagtaaat	tgatgaaaga	attggagtga	taatagtcct	ttacaaacat	acagtccata	3000
agaaaatgaa	tttggcatat	agaattatta	caatttcctg	ggagagatgg	atattttaaac	3060
ctctattatt	ttagacaaga	ctgtctagaa	cttaagtttg	atctgtcagc	cagtactccc	3120
attaaattca	gtgtagtttc	acttgataga	atcagatatg	ttatcgaaat	gttagcagca	3180
gcttcatcct	ccttctgatt	aaagtaagta	gaaatgggat	gttttggtta	ataacagcca	3240
tagtgtgtgt	ttagaccaca	gcggatgttg	tagaccagga	ccatagatga	tacatgtcag	3300
tgtgtgggaa	tgtgcattct	ctgagtgttg	ttttgtggta	tcattgtctt	tcctgaatga	3360
ctttctaaact	gtgcagaaaag	gcagaaaagt	catcatatgt	atatgtcata	tgactttata	3420
aaatatatta	tgtgacaaaa	agtggaaaga	atctttacaa	accctgcaat	tactttttta	3480
aaggcacttt	tactcttttg	ttttatcatt	ccattttgct	aatattttact	agctttataa	3540
attacagtaa	ggtacaaaaa	ctcatcttgt	aatatittca	tttttgaagt	gaaaaagtac	3600
atataatttg	cacaagggtt	tatactgcta	agtgtttggg	tgggggtggg	agatgatgat	3660
tagatcaggg	gtgaggctga	gagactctgg	gtttaggggc	tagccccgcc	ccccatctcc	3720
cctgggggtg	aaatgggaag	gtgtgggggt	aaaaagatgc	cataaggccc	ttttctagct	3780
ctgacagcct	agaagtccaa	tcaccctgta	ataaatatgt	gttgaatgaa	gaaatgggtg	3840
aatgagcttg	tcaatgtgat	tttaaaaaat	tgactacctg	gaggaatgat	taggaatcta	3900
aatgaagcca	gccctcggtg	tctgcaggtt	tctcatccat	ggattcaacc	aactgcaaat	3960
ggaaaatacg	atttttttta	aaaaaaggat	ggttacatcc	gtattgaaca	tgtacagact	4020
tttttcttgt	cattattctc	tgaacaatac	aagaactctt	tatgtagcat	ttacatttat	4080
taggtattat	aagtaatcta	gagattattt	aattaaaata	tacaggagga	tgtgtgtcag	4140
ttatatgcaa	attctgtacc	attttgtatc	agggaattga	gcactttcag	atgttggtat	4200
ctgcagggat	cctggaacca	aaccctgca	gatactaagg	gctgacgatc	taggtaagac	4260
tggatttaac	agttggaaaa	aaaaaa				4286

<210> 6146

<211> 3912

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (449)...(1762)

<223> similar to gi434777 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

```

<400> 6146
tgcaggaccg gccggaattc cggtcgacga tttcggggccc acagctaagc cgagtgcgtg 60
aatgcttatg tgaccgtgtg aaggagggtc ccaccgtgtg gctgtggggg atggaaaaag 120
gctacttgga aagatgtaga agaccttcga gtaaacagtt acgtttcaga aacagagcct 180
gctcagaatg tgtacttggg gggattctat tcttagggac gcttctttct tctgagagac 240
ccgagctctg tggcgagtgg cacaggcagg gccccttctt ttcctagtgt gggtctgaca 300
gctccgaggc agtggtttac acaaccaaca cgaaacattt ctacgatcca cccgattcct 360
cccctcattg atattcagga agcagctctc cttcccctgc cttcagctca agtttgctga 420
gcttttggtt catttgtgaa tacttcttgc tgggaagtccc tcaccagag accagtgtc 480
ccaacggcag agcagcggg gagataaaga actggtgaca cgtggctgta cattcagcac 540
agctgtggtg tccccaaagt ccatgaccca ggagccattc agagaggagc tggcctatga 600
ccggtatgcc acgtgtggagc ggggcccggc agaccccgc agctatgccc cagacgcgaa 660
gccgagcgac ctgcagctgt cgaagagact gccccctgc ttcagccaca agacgtgggt 720
cttctctgtg ctgatgggga gctgcctcct ggtgacctcg gggttttcgc tgtacctggg 780
gaacgtgttc ccggttgaga tggattactt gcgctgtgct gcaggctctt gcatccctc 840
ggcaattgtg agcttcaccg tctccaggag gaacgccaat gtgattccca actttcagat 900
attgtttgtt tccacgtttg ctgtgaccac tacgtgttta atttggtttg gatgcaaact 960
agtctgaac ccatcagcaa taaacatcaa cttcaacctc atcctgctgc tctgctgga 1020
gctgctcatg gcggccacgg tgatcatcgc tgcacgggtc agcgaggagg actgcaagaa 1080
aaagaagggc tccatgtctg acagcgccaa cattctggac gaagtgccat tctctgctcg 1140
ggtcctgaaa tcttactcag tcgtcgaggc aatcgcaggc atctctgccg tctcggggg 1200
gatcattgcc ctgaacgtgg atgactcagt ttcaggccca cacctctcag tgacgttctt 1260
ttggatccta gtggcctgct ttccaagtgc cattgccagt catgtggcag cagagtgtcc 1320
caacaagtgt ctggtggagg tctgattgc cataagcagc ctacgtctc cgtgctgtt 1380
cacagcctct ggatatctgt cattcagcat catgagaatc gtggagatgt ttaaggatta 1440
cccgccagcc ataaaacct cctacgatgt gctgctgctg ctgctgctgc tagtgctcct 1500
cctgcaggcc ggcctcaaca cgggcaccgc catccagtgc gtgcgcttca aggtcagtgc 1560
aaggctgcag ggtgcatcct gggacaccca gaacggccc caggagcgcc tggctgggga 1620
ggtggccagg agccccctga aggagtctga caaggagaaa gcctggagag ccgtcgtggt 1680
gcaaatggcc cagtgacccc cagacgcgga aaccgggtgg cagcgcccag cctggcccca 1740
ggcatggaaa cgcacaaccc ctaatcgccc tgagctactg cttctaacac ctcttttccc 1800
ttgtgttaag ggaaaccagg ctgcagggtg ggttttctact tcttagggta gtttaatttt 1860
aaaataggcc aatgttggct agtctgtgcc tcagtgagat cagtcactc cgagtggctc 1920
ccgtgtcgta acagcaggag catggccgca acttcccagg ccgaggaagg gccccggct 1980
cggcctcttg agagccccac cctgaactg gccccagctc ctcttctgc ctctctcatg 2040
gcttgggctg gagtgggctc tctggacctg accagactgt gggctcctgc gtctcctgcc 2100
cactctgacc gggcttctc cctccacgct tagggctgt cccgggtact cagtcaagcc 2160
agtgggatct taccacttc cctgcaaggc gcacctgccc caggctcagg ctgcccagcg 2220
gctcttctct gacagtgaag gcagggttg gcgcctctgt cctggcccgg gagccgcagg 2280
ggccccctct ccagagcctg ggcgcaagcg acacaggetg ccgtgctct cccagggtgaa 2340
atccacacca gtccacgcg ggtcgctgc cctgtctccc tacttagacc cagtcatct 2400
agagggatcc accgccacac tggccggccc agtctctggg tgctgtcatg cccagcttg 2460
agtgccacgt ggccgctgcc cagctcccgg gcactgtcat gccagcttg ggagtggcca 2520
catggtcgct gccacgtcc cgggcaactg catgaccagc ttggagtgcc accgtggccg 2580
ctgctgtgac agacagtatt ctgggggtg gggctgcat ccaaggctt gtcaaccggc 2640
tggaccacgt ctccctcgcc ccagtgaagg ggggaggctg agccccctc tctgtgtt 2700
gttccatta ctcaaatgt aggatagatc aggtcagagc ccaggaaata ctacagggt 2760
caccagggcg cctcttacc tctaggcaa gtactttgtc tttgatcctc aattgagaag 2820
ggcccagggg aggggtcttc tccatcttcg cttgttttg gggctctagg gtacagccca 2880
ggcggctact gccacctgc caggctgcag ggacagttgg gtgtgagaat aacctggct 2940
ttgggtagtg ccatggccag gagtgggttt cctgctctc cctcgtccc agggcgctg 3000
ggtcctccca gctgacggca gtaaatccac agtgagttgg ggcgactgtg aaactggaat 3060
gctgttactt tgataattac tttccagcag gtgttttctc tcacaatggt tttgtttctt 3120

```



```

ggggcgatgg cgtttatttg ataggcatgc ctctggtaca ggatagtagt ttatatcaat 1440
aattttattc aagtttcgga caacgacttt agtgacttca gccaaacttct taaagtcgta 1500
tgtgtgttct gatgtgacat acatattcag ggccaggga gccaaattac aaacagcaac 1560
ctcatctttg ctggtgtact ccactatttc tgtgcacagg ttgctgcatt tgatggttcc 1620
caggttctgc tggttgctct ttcgattaca ggaatctttg tagagcatat acggggtgcc 1680
tgtttccgtc tgagactcaa tgatggcata ccaaagctgc tgagctttta caactttgcg 1740
gacacgacct tgtttctcat aacttgcata tagtttctca aattcctctc cccaaacctc 1800
atccagacca ggacactcat ttggacacat caaagaccag tcctgattag tctccactcg 1860
tttcatgaag agatccggaa tccaaagagc aaagaaaaga tctctggcca cgctgctctt 1920
cctttcctgt gttcttcttt aaatcaagga attcaaagat gtctaaatgc caaggtcca 1980
ggtaaatagc aaatgcccc ggcgcgttgt tcccaccttg atccacatat ctagctgtgt 2040
tgttatatac tctcagcatc ggtacaaggc cattggaatt gccattagtc ccagcaatgt 2100
agctgccagt agcccgaata caactcacag caacaccaat tcctccagca gacttagaaa 2160
tcaatgcaca ttgctttaga gtgtcataaa tgccttcaat gctgtcatct ttcatactca 2220
gaagaaaaca gctagaaagt tgtgggcggt tggtagcagc attgaagaga gtgggcgaag 2280
catgagtaaa ccacctctca gaaagaagat tatatgtttc aattgctgca tcaatgtctt 2340
ctttgtggat cccaacagat actctcatca acatatgttg tggcttttca gccacttttc 2400
cattgatctt caacaaataa gaccgctcta gcgtctttaa gccgaagtaa ttgtaagaga 2460
aatctcggtc atagataata gcagaattca ggcgatcttt attggccaga acaatatcca 2520
atgttgactt ggccaccatg ggagagtgtt tgccattatg tggatttatg tagttataga 2580
ggtcttccat cacatcactg aacactttct ttgtttcttt gtgcaagtta gagacagcga 2640
tcctggctgc caggatagca tagtcagggt gcttagtagt caaggttgca gctgtttcag 2700
cagccaaagt atctagttcc actgtggtga cccactgta caagccttgg attactttca 2760
tggtgatctg agcaggatca acaaaatcca tattgagtcc ataacaaagc ttctggattc 2820
gagatgtaat tttgtcaaac atgactcggt cttggcggcc atctcgcttg atcacatgca 2880
tcgcagctag tggctgaggc tctgaaggat ccaagactgg actgcggctc taaagcgccg 2940
gcgggatcga gaaggtgaca gagtgggaag ggtaggttc caggcgctgc tcaggggaaa 3000
gaactggagt tggagccaga cagcactttc ttcagagcag aggcgcaaca atccaaatcc 3060
ccttcgcgcg c 3071

```

```

<210> 6148
<211> 3691
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (155)...(2008)
<223> similar to gi840789 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 6148
gtcgactaca aggtggctac gagttttcca gatttaggag acttcagaaa ggtggggcag 60
atagaatgga gatggcaaag atctcttttg gcatatatgg gcctggcgaa gtaatggaat 120
aattttctaat tttcggagaa gccctcatgc cgggatggca gaagatgagc ctgatgctaa 180
gagccccaag actgggggaa gggccccccc aggtggtgct gaggtgaggg aacctaccac 240
ccttcttcag aggtccgag gtaccatttc caaggccgtg cagaacaaag tagaggggat 300
cctgcaagat gtacagaaat tttctgacaa tgacaagctg tatctctacc ttcagctccc 360
ctcaggaccc accactggag acaaaagctc agagccaagt acactgagca atgaggagta 420
catgtatgcc tataggtgga tccgcaacca cctggaagag cacactgaca cctgtctgcc 480

```

aaagcaaagt	gtttatgatg	cctatcggaa	gtactgtgag	agtcttgcct	gttgccgccc	540
actcagcaca	gccaaactttg	gcaagatcat	cagagagatc	ttccctgaca	tcaaagctcg	600
aaggcttggt	ggccggggcc	agtccaaata	ttgctacagt	ggcataagga	ggaagacctt	660
ggtgtctatg	ccaccctcgc	ctggacttga	cctaaagggg	tctgagagtc	cagaaatggg	720
cccagaagta	acccagcac	ctcgagatga	actggtggag	gcagcgtgtg	ccctgacctg	780
tgactgggca	gagcggatcc	tgaaacggtc	cttcagttcc	atcgttgagg	tcgcccgcct	840
cctgctacag	cagcatctca	tctctgcccc	atctgcacat	gcccattgtc	ttaaggccat	900
ggggcttgct	gaagaggacg	aacatgcacc	tcgggaacgg	tcattctaaac	caaagaatgg	960
tttagagaac	ccagaggggtg	gagcccacaa	gaagccagag	agactggccc	agcctcctaa	1020
ggatctggaa	gcccgaactg	gggccgggtcc	tctcgcacgt	ggagagcggg	agaagagtgt	1080
agttgagagc	tcggccccag	gagccaataa	cctgcaggtt	aatgccctag	tggctcggct	1140
gcctctgctc	cttccccggg	cccctcgctc	actaattccg	ccaatcccag	tctctccacc	1200
tattctggcc	cccaggcttt	cttcaggtgc	cctgaaagtg	gctacactgc	ctctgtctag	1260
tagggccggg	gcacccccag	cagctgtgcc	catcattaac	atgatcttac	caactgttcc	1320
tgctttgcct	ggacctggac	ctgggcctgg	gcgagctcca	cctgggggac	tcactcagcc	1380
ccggggcaca	gagaacagag	aggtaggcat	aggtggtgac	caaggaccac	atgacaaagg	1440
tgtcaagagg	acagctgaag	tacctgtgag	tgaggccagt	gggcaggctc	caccagctaa	1500
agcagcaaa	caggatatag	aggatacagc	aagtgatgcc	aaaaggaaaac	gggggcccgc	1560
tctaaaaaag	tcaggtggaa	gtggggaaaag	gaattctacc	cctctcaagt	cagcagctgc	1620
catggaatct	gccagtcct	caaggttacc	atgggagaca	tggggctcag	gaggggaagg	1680
caactcagct	ggaggggcag	agaggccagg	gccaatggga	gaggctgaaa	agggggcagt	1740
acttgcccag	gggtcaggga	gatggtactg	tttccaaagg	aggaaggggc	cccggttccc	1800
agcataccaa	agaagcagaa	gataaaattc	ccttggtccc	ctcaaaagtg	agtgtcatca	1860
agggcagcag	aagccaaaag	gaggcttttc	ctttggcaaa	gggagaggta	gacactgcac	1920
cacagggtaa	taaaagactta	aaggagcatg	tgcttcaaag	ttccttatcc	caggagcata	1980
aagacccaaa	agcaacaccc	ccatgataca	ggtctgtggg	gaagagtgtt	tatatcccta	2040
cgtaaacttt	gcctagtaga	ggcccttctt	tgcacttgct	tctcatttgg	ctattctttt	2100
cctaaggaag	tccattctcc	tctgtacaga	cagctgagtc	acccagtcta	cttagtacct	2160
ggttgctgcc	tctgaccttt	tcagcttgat	accctgggct	ttagtgtaac	caataaatct	2220
ttagtgacct	tacctgtatt	ccctgtgcta	tcctgtggga	aggtaggaat	gggctaagta	2280
tgatgaatgt	ataaggttagg	gatcttttgg	ttttaaatca	cagaaaacct	aattcaaact	2340
ggcttaaaat	aaaaaggatt	tattggttca	tgtaactaga	aagtccatag	gtagtgtctg	2400
ctccagggtga	agacttgacc	cagtagttca	gtatgtctct	aaataccgga	ctgacttttt	2460
tctcactggt	gcatcttctg	taggaccatt	taagtctggg	ccacttaatg	gctgccagca	2520
ttcctaagat	tacacttttc	cccatttatg	tccaatcaga	aaaagaaggc	atctttgtac	2580
cagaaatctc	agcaaaaagcc	ctaataattca	cactgattag	gcctgggtca	catgtccacc	2640
ctgaccaatc	actgtggcca	ggaggatgat	acatgcta	ttgcttattc	tatatcatgg	2700
acaacacctt	tggggaaaag	ggtgggggtc	agcctcccca	aaatcacatg	gattccccaa	2760
gtggaaaacta	ggagcaggga	ggtgcttggg	tggccgctaa	caccaggcta	ctcttatttt	2820
agcttgctaa	gttgagatca	gctagacctg	ctttcttttc	tcctcagtct	tgcatttccc	2880
tcaatacaag	ctgcagcctc	tttcctcggt	tctagtctca	gaagggaagg	gaggggaagg	2940
attctcctct	agggactctt	cagtctcatt	tagatgatag	tccttttttt	tctacctcca	3000
tattagagat	ggagctcctt	ccttttcctg	tttcttaatt	tttgtcttct	cattcctgct	3060
tcctctcac	cctattgcca	gttccaccaa	ctagagtga	agacttccta	gccatttcat	3120
taaatctatt	ctgtatccac	cagggtggcag	catcttgtca	tacgtgtcag	gacttaggac	3180
tgccgggttt	aggtttagatg	tcacggaaaa	agctagttct	gtggtcaggc	ggcaccaatg	3240
agaaaggaat	gcagaccctc	cagatgtatc	cttgggaaaa	gcagtaaacc	aactaatatt	3300
tattgaagac	ctactttgtc	ctctacatag	ggtagcttct	gtcagggaat	cttgggttct	3360
cccaagaaac	actgattttc	tttcagggag	acttcatgtg	ttcatttatt	tccaccacag	3420
cagatttttaa	gaaattataa	tatgtaatat	ttgatattcta	ttaaagagtat	atctaaccgtg	3480
aataaattat	gaagcatact	aatgagtacc	tatgacccat	aacacatata	cattaaaaaca	3540
ttttaaatat	caaaaaaaaa	aaaagggggg	gcccttttaa	gggaaccaat	tttaactccc	3600
gggggtggga	aaggaaaaat	tttttttatg	gggccccaaa	aataaattcc	tggggccggt	3660
tttaaacacc	ccggggaggg	aaaaaccctg	g			3691

<210> 6149  
 <211> 4511  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(4512)  
 <223> n = a,t,c or g

<220>  
 <221> misc\_feature  
 <222> (4249)...(2200)  
 <223> similar to gil922313 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 6149  
 atatacatta agagtagatt tttttgttta atttcacaaa actattttgc agagttcact 60  
 tgtatcatct ctanccttat agtaaaaaatt ttaagattta actcggcttt ctcaggttat 120  
 ttccctctac ccctatgaac tgctgagttt tagttccttt tctggccttc agttttcact 180  
 atctgtaaag ctgaaggact gtattatatt acctccagta tcttttctgg tactaatttt 240  
 taaaatacct gatcagaatg aagccatcat agtghtaaggc agcatatttg tctataagga 300  
 gactttccaa agacagtacc catccaatgc aaataataaaa tttgaagcta atcatctgtt 360  
 gtgctttaaa atgagcaaat tcacatgtct ttattgccct ttgaaagttg gttaatctca 420  
 aaaactacct tttttttaaa tatcctttgc aagggtcaatt gtaacagttg tccatccttc 480  
 ctcttccctt tgaaataaac acaaatagaa tatactctac agctgcaaga aaacctgagt 540  
 cctttccaaa acaaagggtga ctgaagtaaa ttatctctaa aacttattcc atagacttca 600  
 tttattaata agcatattgt gaaaatctac atttggttta gatttcatgt ttacagagct 660  
 tttcacaatt gtattaggat ctttcacaac tactctctgg gtttaatgaa cagtaaagaa 720  
 tctggctcat gtgacctct attcatagct cccctttggc tcctgtgaag gagctgatag 780  
 ttccctggag taaataaatc aaaacaagat atccttggga gatttttagc tgtaaatcta 840  
 ctcttgacc ccactctggg aactgagggg aaactcctag agagatatac aaatctttga 900  
 acaaaatatt tacatgaaaa gtggccagtt ttcttccttg gagtagcaat ctgtaaaaat 960  
 aagtgtgct gtttaaaaag tagcatgccc tacaccatac caatgtatta gtgagaattt 1020  
 ggcgattctc accaacaac aatgaagttt cacatttggg actggatgga gcttgggtta 1080  
 gatctgcctt ttaaggcaaa gtcaactctt tcaacttaat tctttttcaa gggagtaatg 1140  
 tactgtctac acttggctta aactaacttc tattatggac tactttcaat gtacatgtaa 1200  
 atgttcatgc atcagaagcc aatttctttt aacagtacat agaaaaggta tattttgggg 1260  
 tgctaataaa cacttcaaat taagtaataa tattggtaag gatcaaaactg cactattagt 1320  
 cttgttaata ccacactggc acacacactg catatatatg tattttccta agataaaact 1380  
 cttctcagaa tttcattact ttttattata caccaactag tttatattgt agttctttac 1440  
 aaagaaaatg ctaagaaaaa ttataatcac atgttatatg gttttaaaat aataattcca 1500  
 gatttcttta catataagat ggaatggtcc agcagctata tccactgtca cagactttag 1560  
 ttccgttcaa tgatatggca catcctgcaa aattaactag tcacacacaa aaaatgtctc 1620  
 aaatacagta aaaatgtaca cacaagggtg atttacaatg acaagggaatg taatttttct 1680  
 tggctgtgct tcagaaattt agggctcagta gccttaatca aggcacaaaag caggaaaagg 1740  
 tgagcacagc tgtctctagg agtgggcaag gtatgtacaa tcaactgatg ggtatgcatg 1800  
 cagcaaaagg atttaaaact gctcagtctc actacaaaaa ttgaactgag ttaaaaggaa 1860  
 atgctgtggc ttccccctac tatctggctc tggattgagt ccacagtctt acttcatcaa 1920  
 atagaaaata aaactgacaa ggatctccaa aagtaaatca ctatttgtgt aaatgaaaca 1980  
 aaatgcttca ttaatcccag ttcttggttg tgcctcctgg actagaagca tttttagtag 2040  
 aaaagagtgt ttcacaaaat tgaaatgtaa ttcaggtgaa ggacaaaaca ttttccacag 2100



```

acacttaaaa ttccaaactt tcaaatggcc cttacagctg aaccggttga tgttacagta 2160
gtgaggggtc tgggtatcct ttagcagcaa atgccggttt aaagggcacg ggggtctcttc 2220
gggttgattt gcttgctggc ttgttctctc tctttagtag ctgcacggaa agattttact 2280
ttatcccgca gttcagttaa aatgtctatt ttttgctcaa gaatagcttc aagttgtgta 2340
gcatatgaat cgacatcata atctacttct tcagtcattct ctaagagggc cttttcatct 2400
tctaaccacc gaatagattc ctggaacact gccctgtgat cttctacaac ttgttcttcc 2460
atttctacca tttgtgaaac agcttcgtgg aaagtaaaca actgtggaga gacttcttct 2520
tcattttgtt cacaagaag ttttagatca tctctctgag gggaactccc cacacccccc 2580
tgtgtctcta agtcatcaaa tctggtttgg tggatgggtc attattggac gaacatcacc 2640
agcagcagtt ggatctacag tcaattcttt gaccctatct gcatacttta atgtattaag 2700
agtattttca caggatgcca ttcttgagga gattgtggca atcatgcagg tacgagagtt 2760
ttcacctatg aaagaatctc ttaacacctg agtgagttta cttgcacgga aaggagtatg 2820
aggtttattt ctacctaaag ctctgatgca ctccttgagt gctaaaaggc ttttattaat 2880
ttcagcacct tcaagcctag ttgacctg cgcactggaa gtatcagctc ctctttcatt 2940
tccagccaaa tcaatgagag aaaatttgcc atgtagtttt cctttccttc taagaataat 3000
ctgaaacact gcatggctcc gagatgaatg tgcatttgca gatgtttgac cggatgttct 3060
gcaactgttg cctatgtcaa tgagtctcag tacatcttca acacatttga cctcccgttc 3120
ctgtaatccc accacttgaa cctgctgttt tccatcttct agaactctta attttgtttt 3180
cctgttttagc aagtcaaaac cctttccact ataaatttca aagaagggtg catatacttg 3240
aagttctagc ttcttatagt ttggcttctt tagcattaaa aagacatctc gagctgctaa 3300
tgcataaatt cctttagaac aatcttggtt ctttctgaa aagtcaccac ccatagtatg 3360
agtttttcca cttccagtct gcccataagc aaagcatgta gccattcccc tttcaaatat 3420
agtttccact agtgggtctag cagtaaacct gttaaaccatt tcattaggag ctgagtcatt 3480
aaaggcataa tcaaaacgaa atgtttgggt ttctagggtac cttgtttaa atactttttg 3540
ttttgggtca tgtacatcca caacatcttt actaggaatt gtgattacat caagatcttt 3600
catttgagtt tcttttttat tgagtggctg ttttcttaca cacacacata tcctatgttc 3660
atcaatagga tctgctgttg ttaatggtct ataattcaaa cttcctctaa agtctctgat 3720
catcacata atttcataat ttgggtttgt agcatcaacg tcctgggctc ttttttctct 3780
aagttcttgc tgttgcaatc tccttttctc tcgtttttct tgcagttttt ctacttcttt 3840
cacacaatta gattttctac gtgaaggggg tccaaattcc ttttttgag cttgaactgg 3900
agatatactt gaaaacacta ccattctgtt gtgcagagga aaactgttca ggaaattgac 3960
tggggccgtg acgtgctgaa ccaaccactc tattatctct ttgaaggagg gtcattctta 4020
atagaagctt acagtccgtc gattctttac aattttgttt actttggctg aggatgctgg 4080
aggtggaggt gtttcttgga cttggttcaa ttttccatc aggaacaaag gtccagggtt 4140
aagtgaagag atgctctcca ggtcaatctc ctttgccctt tgatatctca ttttctatcc 4200
attcaacagt tacactttca ttatcttcat ttaaagatgt taccattgct tgatgtattc 4260
ggccggatgt ggtgtgcatc tgtagtcca gctacttggg aggtgagcg gggaggatca 4320
gttgagccca ggaggcagag gttgcagtga accgacatca caccattgca ctccagtctg 4380
ggagacagaa taagactcta tcccgactgc gcttgatctc caggtaaatc ccgatctgga 4440
tcttgccgaa gttggcggtg ccatcacctc atctggagca ggagcagcgc gtctgaggga 4500
gggggaccgg a 4511

```

<210> 6150

<211> 1510

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1467)...(267)

<223> similar to gi5052353 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

```

<400> 6150
tttttttttt ttcaaggttc acgggggttta ttagggagtc gggagggaga aaaccaggga      60
gtccccaggc catccacatt gctccccggc atgtgacgat ccagcctggc tttctctggt      120
cctttctgga cagaggctgg ccaagcaggc agcagcctca aggggagtgg gtaggagctg      180
ggggccttct ggcagcccta ctacagaggat gatctggttg gtgaagcttc ggctcagctc      240
cttgtgtggc agaacaatcg agttcaggat gagcacctcg gcagggatcc ggactcggca      300
gcccaggatg gtgatagcag gcagcagctt cccgtccttg aagaggctct cactgtccat      360
gcgggctcgg ggatcgttgg ggtaggggtc actgggggta ccctccacgc gggcccagcg      420
tcccacggtg ctccccacgc ccacgatgct atgcagaaca cacgtgtgct cctgcaaagt      480
ggctccatgg aggacgatgc tctcccggag ccgcacaccc tcacccacgg tcaccccctt      540
cccgatggag acgttggggc ccagcacagc cgagggggcc accttggcgg tcgggtggat      600
gtacacattc cctcggatcc atggggcccc tggggtgtgc ttggccagcc gttctgggtg      660
agtgtcctgg tatcggctca ggtagaggcg ggaggcgtag agggctgaac ttgctgactt      720
gatctgactc cagataccat cagtgagatg cacgtatatc tggccctgcc ctgccagggc      780
tgaaaacaca tcctgctcta ggcggatggg acctgccccct ggccacaagc ctggtgagtc      840
ctccaattgc ccatcctgct gattacgctg gaagacatcc cgaagaggct tcaaggcttc      900
aggagaaaag aggtagatgc cgcagttgat gatgtcactg ataaatgtgc tgggtttctc      960
cacatagtgc aatacctcgt gtgtctgtgg attctcaacg atgcagccgt agttgaggga     1020
ttgcgtcctg ttagccgtag tgccaaggag taagaaaggg tgacgctggc gtcggtgggc     1080
ttccaacata gcactcaagg ggaagtcgga gcagacatca gcattgagca cgaagaatgc     1140
ctcgggggctc ccagccagga tctggtctcg aaaatggtaa agaccacccc ctgtgcctag     1200
ggggggcaaat tcctgcaggt acctgactgg aaggttaaac tcctgctggg cggcttctag     1260
gaactgggtg aggggctcat caggttggta gaagccaatg agcagaatct cctgcattcc     1320
agggacctgg gcacaggctt caatatggtg ttggatcata gggacccctg ccacaggaaa     1380
caatggtttg ggcacctcaa aagacaaagg tctgaagcga gttccctttt gagggcctcc     1440
aatcaggatc accgctttga gcataatggt gactgctacc taaacactag ctcccttcac     1500
tccagctctg                                     1510

```

```

<210> 6151
<211> 2591
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (78)...(1172)
<223> similar to gi619884 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 6151
ccaggtgact gactaatccg ccgccttcag gagacagaat tggccaaggc ctgaaggccc      60
cggagtgcac cagcggcatg tacaaagaga ccgtctactc cgcttcaat ctgctcatgc      120
attaccaccc cccctcggga gcagggcagc acccccagcc gcagcccccg ctgcacaagg      180
ccaatcagcc ccccccaggt gtcccccaac tctctctcta cgaacatttc aacagcccac      240
atcccacccc tgcacctgcg gacatcagcc agaagcaagt tcacaggcct ctgcagaccc      300
ctgacctctc tggcttctac tccctgacct caggcagcat ggggcagctc cccacactg      360
tgagctgggt caccacacca tccttgatgc taggttctgg tgtacctggt caccagcag      420

```

```

ccatcccca cccggccatt gtgccccct caggggaagca ggaggggtgca gcccttcgac 480
cgcaacctga agacacaagc agagtccaag gcagagaagg aggccaagaa gccaaccatc 540
aagaagcccc tcaatgcctt catgctgtac atgaaggaga tgagagccaa ggtcattgca 600
gagtgcacac ttaaggagag cgctgccatc aaccagatcc tgggccgcag gtggcacgcg 660
ctgtcgcgag aagagcaggc caagtactat gagctggccc gcaaggagag gcagctgcac 720
atgcagctat acccaggctg gtcagcgcgg gacaactacg ggaagaagaa gaggcggtcg 780
agggaaaagc accaagaatc caccacagat aactctcttc actattccta ggaggaaaaa 840
gaaatgcatt cgggtacttac ccggagaagg ccgctgcccc agccccgttc cttccgatga 900
cagtgtctta ggctgccccg ggtccccagc tccccaggac tcacctcat accatctgct 960
gccccgttc cccacagaac tgcttactag ccctgcggag ccggcaccta catccccagg 1020
tctctccact gctctcagcc tcccaacccc agggccccc caggccccc gcagcacct 1080
gcagagcaca caggtacagc aacaggaatc tcagagacag gtggcctagc aggacagga 1140
cacctggccg cctccaggag cctaccccc gaaagtgaca gagaccaga tctcatggaa 1200
actggccagg ggtcctgtta acgtcatctc aggggtccaga ccctgaagat ttcagaggct 1260
gcagaacttc tgctgaacc tggggtcatc gattcaaact gctccaagtg gtgggaatca 1320
gatctgtctt gatgtgtcat ctaattaagg gaatcccttg tacttatggc tgctgcatc 1380
tattctttgt accatctgtc ttgccagcca gaagcctctg cctccctagc ttttctgcta 1440
taggtcagag atgggctgaa ctgagcctag ctacctctc taccatctc ccccatcccc 1500
cactgccaca cctccccc atcagacactt catggacca gaatgagctg gtttgtcaaa 1560
caacatgtga gcatggtcac aagcacaag ctcaagatga cagctcttct aaggaaatgg 1620
agaagctctg tttataaaaa caaaaacaaa accagctgct actcataagt tggaccagag 1680
gaagccccctt actatgatct caggagcttg caagaagcag gaaggggaat ggaatagggt 1740
aagtttaggc ctatcaacct aagcaacaga aataatctga cactacctta tcaggcaa 1800
tgaggagggg aggtgtatc tagctctagt tcaaattatt tggaagtgtt ccctgagaaa 1860
cccaccagcc taagaagctc tggccccagg cttgtcacta gcagctgcag tcaacagttc 1920
aaagaagtca tggcccaaat ccagtgtgca cccctcccca ttcacagagc ctttttcaca 1980
attccatttc cagttcatct atggcagtc agccagctcc tgggcagctt gagagggcaa 2040
acccaaaacc tcatgacagc cagagcctgt ctttcagcat tcagtccgcc tggccggctc 2100
cagtttcccc atggggctgc gggacagagg accattaca ctagatcaag gagcccagaa 2160
aacctccagt agtggacaac aggttttcac catagcctac gttaacccat ttttgagcca 2220
agcttcaacc ctcagccttg aaaaacaagt ctttaattta atttttgttt tttgcctaaa 2280
tccaaagaaa aagggtgtgc gggccaggcg cgggtggctca cgcctgtaat ccagcactt 2340
tggcaggccg aggcagggtg atcacctgac gtcagtagtt tgagaccagc ctggccaaca 2400
tggtgaaacc ctgtatctac taaaaataca aaaattatcc ggacgtggtg gtgcgcgcat 2460
gtaatccag ctactcggga ggctgaggcg gaagaatcac ttgaacccgg gaggcggagg 2520
ttccagtgag ccgagatggc gctattgcac tccagtctgg gtaacaggga gactgcatct 2580
caaaaaaaaa a 2591

```

<210> 6152

<211> 1076

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1006)...(26)

<223> similar to gi4929593 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 6152

tttttttttt	ttgagattct	attcatagaa	tcattcttcg	aatgccacat	tcacagcaaa	60
at ttggccca	ttctacagg	tatttagtcc	cacactcatg	gcagaaat tt	tggaaagt tt	120
ccagg ggaat	gtccttcaat	gcctttaata	tttccaccat	taagggaaga	tgcacagtcc	180
ccatctggcc	tggctatgta	gctctcagta	tatgtttttc	ttttgtttgt	aagcacacct	240
ggggcaggat	ttcttgccaa	actaggtggt	gtggaatttc	ggggtttgac	attagctcct	300
gcatgagggg	ctgctatccc	tttatgagag	ggagacaagg	tctgaagt tt	gtttcccaaa	360
gagctgctac	ttgaagacac	tttacctgaa	ggaacaccta	caacagt tt	gccagcgcca	420
cttggctgcg	gtaatcgtga	agatcctgat	gatgcagttc	caggagaatt	tgacttttta	480
agtgcgggtg	gcttatacac	ctgtgtccga	gaagt tgggt	ttcctttgggt	atctgtagaa	540
aatttccctt	tattactaat	acgtgctgcc	tgttctttac	agaaat ttat	atgtctatca	600
gctgcatttt	cattgaatct	cctctgacaa	tatgggacca	ttgaatataa	tcaggatcat	660
aagaaggttg	aggaggagga	ggaagt ttgc	cacctctttt	gagggcctga	tcaaggcctt	720
tagctgctct	tatggtagca	atgaattctt	catgtttcct	tctccaatta	gatggtttct	780
ttggtggttc	tggcctcggt	ttgagagggt	ttactgttgg	aatatcagtt	ccttcagctc	840
tctgtctgct	tgaatcaaaa	gtcttccggt	ttttagttgc	agtcttctgg	caaatgggtc	900
catgtttttt	taatgctact	ggaaagaatg	ttcttccaca	aatcttgcaa	ggtaacaatt	960
ctccaacttg	gacaacacct	ccatttcttt	ccagtccttc	catcgcgcca	cctcctcgag	1020
ctcagcgaga	ctccttcagc	agcgcccgcc	accgcccagc	tctggctgta	acgaaa	1076

```
<210> 6153
<211> 4871
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (92)...(2950)
<223> similar to gi755748 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```

<400>	6153					
ggcacgagga	aacctctagg	tccaccacct	ccatcttaca	cgtgtttccg	ttgtggtaaa	60
cctggacatt	atattaagaa	ttgcccaaca	aatggggata	aaaactttga	atctggctct	120
agggattaaa	aagggccact	ggaattccca	gaagtttcat	ggatggaagt	gaaagatcct	180
aatatgaaag	gtgcaatgct	taccaacact	ggaaaatatg	caataccaac	tatagatgca	240
agaagcatat	gcaattggga	agaaagagaa	acctcccttc	ttaccagagg	agccatcttc	300
ttcctcagaa	gaagatgatc	ctatcccaga	tgaattgttg	tgtctcatct	gcaaggatat	360
tatgactgat	gctgttgtga	ttccctgctg	tggaaacagt	tactgtgatg	aatgtataag	420
aacagcactc	ctggaatcag	atgagcacac	atgtccgacg	tgtcatcaaa	atgatgtttc	480
tcttgatgct	ttaattgcca	ataaattttt	acgacaggct	gtaaataact	tcaaaaatga	540
aactggctat	acaaaaagac	tacgaaaaca	gttaccttct	ccaccacccc	caataccacc	600
tccgagacca	ctgattcaga	ggaacctaca	acctctgatg	agatctccga	tatcaagaca	660
acaagatcct	cttatgattc	cagtgcacac	ttcatcaact	caccagctc	cgtctatatc	720
ttcattaact	tctaatacagt	cttccttggc	ccctcctgtg	tctggaaatc	cgtcttctgc	780
tccagctcct	gtacctgata	taactgcaac	agtatccata	tcagttcatt	cagaaaaatc	840
agatggacct	tttcgggatt	ctgataataa	aatattgcca	gctgcagctc	ttgcatcaga	900
gcactcaaag	ggaacctcct	caattgcaat	taccgctctt	atggaagaga	agggttacca	960
ggtgcctggt	cttggaaccc	catctttgct	tggacagtca	ttattgcatg	gacagttgat	1020
ccccacaact	ggtccagtaa	gaataaaatac	tgctcgtcca	ggttggtggtc	gaccaggctg	1080
ggaacattcc	aacaaacttg	gctatctggt	ttctccacca	caacaaatta	gaaagagggga	1140

gaggagctgc	tacagaagta	taaaccgtgg	gcgacaccac	agcgaaaagat	cacagaggac	1200
tcaaggcccc	tcactaccag	caactccagt	ctttgtacct	gttccaccac	ctcctttgta	1260
tccgcctcct	ccccatacac	ttcctctccc	tccgggtggt	cctcctccac	agttttctcc	1320
tcagtttcct	cctggccagc	cagccacccg	ctgggtatag	tgtccctcct	ccagggtttc	1380
ctccagctcc	tgccaattta	tcaacacctt	gggtatcatc	aggagtgcag	acagctcatt	1440
caaataccat	cccaacaaca	caagcaccac	ctttgtccag	ggaagaattc	tatagagagc	1500
agcgacgact	aaaagaagag	gaaaagaaaa	agtccaagct	agatgagttt	acaaatgatt	1560
ttgctaagga	attgatggaa	tacaaaaaga	ttcaaaagga	gcgtaggcgc	tcattttcca	1620
ggtctaaatc	tccctatagt	ggttcttcgt	attcaagaag	ttcatatact	tattctaaat	1680
caagatctgg	ttcaacacgt	tcacgctcct	attctcgatc	attcagccgc	tcacattctc	1740
gttcctattc	acggtcacct	ccatacccca	gaagaggcag	aggcaagagc	cgcaattacc	1800
gttcacggtc	tagatctcat	ggatatcatc	gatctaggtc	aaggtcaccc	ccttacagac	1860
gctatcattc	acgatcaaga	tctcctcaag	cgttttagggg	acagtctcct	aataaacgta	1920
atgtacctca	aggggaaaca	gaacgtgaat	attttaatag	atacagagaa	gttccaccac	1980
catatgacat	gaaagcatat	tatgggagaa	gtgttgactt	tagagacca	tttgaaaaag	2040
aacgctaccg	agaatgggag	agaaaaatata	gagagtggta	tgaaaaatat	tataaagggtt	2100
atgctgctgg	agcacagcct	agaccctcag	caaatagaga	gaacttttct	ccagagagat	2160
ttttgccact	taacatcagg	aatttctcct	tcacaagagg	ccgcagagaa	gactatgttg	2220
gtgggcaaa	tcatagaagt	cgaaacatag	gtagcaacta	tccagaaaa	ctttcagcaa	2280
gagatggtca	caatcagaag	gataatacaa	agtcaaaaga	gaaggagagt	gaaaacgctc	2340
caggagatgg	taaaggaaat	aagcataaga	aacacagaaa	agaagaaaa	ggggaggaaa	2400
gtgaggggtt	tctgaacca	gagttattag	agacttctag	gaaatcaaga	gaacctacag	2460
gtgttgaa	aaataaaaca	gactcattgt	ttgttctccc	aagtagagat	gatgccacac	2520
ctgttagaga	tgaaccaatg	gatgcagaat	caatcacttt	taaatcagt	tctgaaaaag	2580
acaagagaga	aaggggataaa	ccaaaagcaa	aggggtgataa	aaccaaacgg	aagaatgatg	2640
gatctgctgt	gtccaaaaaa	gaaaatattg	taaaacctgc	taaaggaccc	caagaaaaag	2700
tagatggaga	acgtgagaga	tctcctcgat	ctgaacctcc	caattaaaaa	agcccaaaag	2760
ggagactccg	aaggacttga	caatactaaa	tcatcatctt	cctctcagaa	ggatgaaaaa	2820
atcactggga	accccagga	aaagctcact	ctaaatcagc	aaaagaacac	caagaaacaa	2880
aaccagtcaa	agaggaaaaa	gtgaagaagg	actattccaa	agatgtcaaa	tcagaaaagc	2940
taaccaactaa	ggaagaaaa	gccaagaagc	ctaatagaga	aaacaaacca	cttgataata	3000
agggagaaaa	aagaaaaaga	aaaactgaag	aaaaggcgt	agataaagat	tttgagtctt	3060
cttcaatgaa	aatctcgaaa	ctagaagtga	ctgaaatagt	gaaaccatca	ccaagcgca	3120
aaatggaacc	tgatactgaa	aaaatggata	ggacccctga	aaaggacaaa	atttctttaa	3180
gtgcgccagc	caaaaaaatc	aaactcaaca	gagaaactgg	gaagaaaatt	ggaagtacag	3240
aaaatatatc	aaacacaaaa	gaaccctctg	aaaaattgga	gtcaacatct	agcaaagtta	3300
aacaagaaaa	agtcaaagga	aaggtcagac	gaaaagtgac	tggaaactgaa	ggatccagct	3360
caactctggt	ggattacacc	agtacgagct	caactggagg	cagtccctgtg	cggaaatctg	3420
aagaaaaaac	agatacaaag	cgaactgtga	ttaaaacgat	ggaagaatat	aataatgaca	3480
ataccgcgcc	agctgaagat	gttatcatta	tgattcaggt	tcttcaatcc	aatgggata	3540
aagatgactt	tgaatctgaa	gaagaagatg	ttaaatccac	acagcctata	tcaagtgtag	3600
gaaaacctgc	tagtgttata	aaaaatgtta	gtacaaagcc	atcaaataata	gtcaagtatc	3660
ctgagaaaaga	aagtgaagcca	tccgagaaaa	ttcagaaatt	caccaaggac	gtgagccatg	3720
aaatcataca	acatgaggtt	aaaagttcaa	aaaactctgc	atctagtga	aaagggaaaa	3780
ccaaagatcg	agattattca	gtgttgga	aggagaaccc	tgaaaagagg	aagaacagca	3840
ctcagccaga	gaaagagagt	aatttgga	gtctgaatga	acaaggaaat	tttaaaagtc	3900
tgtctcaatc	ttccaaagag	gctagaacgt	cagataaaca	tgattccact	cgtgcttctc	3960
caaataaaga	cttctactccc	aatagagaca	aaaaacttga	ctatgacacc	agagagtatt	4020
caagttccaa	acgtatagatg	gaaaagaatg	aattaacaag	acgaaaagac	tctccttctc	4080
ggaataaaga	ttctgcatct	ggacagaaaa	ataaaccaag	ggaagagaga	gatttgcccta	4140
aaaaagggaac	aggagattcc	aaaaaaagta	attctagtcc	ctcaagagac	agaaaacctc	4200
atgatcacaa	agccacttat	gatactaaac	ggccaaatga	agagacaaaa	tctgtagata	4260
aaaatccttg	taaggatcgt	gagaagcatg	tattagaagc	aaggaacaat	aaagagtcaa	4320
gtggcaataa	actactttat	atacttaacc	caccagagac	acaggttgaa	aaagagcaaa	4380
ttactgggca	aattgacaag	agtactgtca	agcctaaacc	ccagtttaagt	cattcctcta	4440
gactttcctc	tgacttaact	agagaaactg	atgaagctgc	ttttgaacca	gactataatg	4500
aaagtgcag	tgaaagtaat	gtttctgttaa	aagaagagga	atcttcagga	aacatttcta	4560

agggacctga	aagataaaat	agtggagaaa	gcaaaagaga	gcctggacac	agcagcagtt	4620
gtccagggtgg	gcataagcag	gaatcagagc	cacagcagcc	ccagcgtcag	ccccagcaga	4680
agccacagtc	cttctggaag	ccagacccga	agccacagta	gcagtgccag	ctcagcagaa	4740
agtcaggaca	gcaagaagaa	gaagaaaaag	aaggaaaaga	aaaaacacaa	gaaacataaa	4800
aagcataaga	agcataagaa	acatgcaggc	actgaagtgg	aattggaaaa	aagccaaaaa	4860
cacaaacaca	a					4871

<210> 6154

<211> 3092

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (558)...(2945)

<223> similar to gi4589476 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 6154

agcacctgct	ccacagatgg	tttggcactg	atatgcagat	gattaatttc	acaactgggtg	60
aattccagct	caccgaagct	tgcccttacc	tgggtacgca	ttctgaggaa	tccaggtttg	120
gcacccctca	cttacatctg	cagccttttg	aaatgaaaag	ggttggcgta	gttttcacac	180
ctgctgacta	tggaaaagtt	acctcactca	tactaatccg	gaataacttg	actgttattg	240
acatgattgg	cgtggaagga	tttggagcaa	gagagttatt	aaaagtgggt	ggaagacttc	300
ctggtgcagg	agggtcactc	cgatttaagg	tgcccagagtc	cacgctgatg	gactgccgta	360
gacaactgaa	agacagtaag	caaattttat	ctattacaaa	gaactttaaa	gttgagaata	420
ttggacctct	tcctataact	gtttcgtctc	tgaaaattaa	tgggtataac	tgccaagggt	480
atggattcga	ggtgctggat	tgtcatcagt	tttccttgga	cccaaacaca	tcccgcgata	540
tcagcattgt	gttcaactca	gactttacct	cctcctgggt	aattcgggac	ctaagtcttg	600
taaccgcagc	ggacctagaa	tttcgcttca	ctctcaatgt	gactctccct	catcacctgt	660
tgcccttggt	tgcagacgtg	gttccaggac	ccagctggga	ggagtcattt	tggaggctca	720
cggctcttct	tgtcagtttg	tcctctgttg	gtgtgatttt	aatagccttc	caacaagcac	780
agtacattct	catggaattc	atgaaaacaa	gacagaggca	aaatgctagc	tcctcttcac	840
agcaaaacaa	tggtcctatg	gatgtaatca	gccccatttc	ttacaaaagc	aattgcaaga	900
actttctcga	tacatatggc	ccctctgata	aaggcagggg	gaagaactgc	cttccagtga	960
acactcccca	aagcaggatc	cagaatgctg	caaagaggag	cccagccacc	tatggtcatt	1020
ctcagaagaa	gcacaaatgc	tcagtgtatt	acagtaaaca	caaaaccagc	acagctgcgg	1080
ccagcagcac	cagcacgact	actgaggaaa	aacagacttc	acccctgggc	agctcactgc	1140
ctgctgctaa	agaggacatt	tgcactgatg	ccatgctgta	gaactggatc	agcctcagat	1200
atgcaagtgg	cataaatgtc	aacctgcaga	agaatttaac	ccttcccaaa	aacttactga	1260
ataaagaaga	aaacacactg	aaaaacacaa	ttgttttcag	taatccttct	tcagaattga	1320
gtatgaagga	gggaatacag	acatgtatgt	ttcctaagga	aactgacatt	aaaacttcag	1380
agaacacagc	cgagttcaag	gaacgggagc	tctgtccact	gaagacctcc	aagaaactac	1440
ctgaaaacca	tttaccaaga	aactcacctc	agtaccacca	gccagacttg	ccagaaattt	1500
ccaggaaaaa	taatgggaat	aaccagcaag	tacctgtcaa	gaatgaagta	gatcattgtg	1560
aaaatttgaa	gaaggtggac	acaaagcctt	cttcagaaaa	gaagattcac	aaaacatcta	1620
gagaagacat	gttttctgag	aaacaggaca	tacctttcgt	agagcaagaa	gataccttata	1680
ggaagaaaaa	gcttcaggag	aaaagagaag	gaaattttaca	aaattttaaat	tggagtaaaa	1740
gtcgaacatg	tagaaagaac	aagaaaaggg	gtgttgctcc	agtctcaagg	cctcctgaac	1800
agagtgatct	aaagcttgtg	tgcagtgact	ttgagaggtc	tgagctgagc	agtgacatca	1860

atgtaagaag	ctggtgtata	caggaaagca	ctagggaggt	ttgtaaagca	gatgccgaaa	1920
ttgcaagcag	tttacctgct	gccagagag	aggcagaagg	ttactaccag	aagcctgaga	1980
agaaatgtgt	ggacaagtgc	tgctccgatt	ccagctctga	ctgtgggagc	tcctctggca	2040
gcgtgcgtgc	cagccggggc	agctggggga	gctggagcag	caccagcagc	tccgacgggg	2100
ataagaagcc	catggtggac	gccagcact	tcctgccggc	cggagacagt	gtttcacaaa	2160
atgattttcc	ttctgaagct	cccatctcct	tgaatctttc	tcataacatc	tgcaatccca	2220
tgaccgggaa	tagtctccca	caatacgcag	agccttcctg	tcccagcctt	cctgccgggg	2280
ccacaggtgt	tgaagaagat	aaaggtcttt	actcacctgg	agacctgtgg	cccactccgc	2340
cagtgtgtgt	gacaagcagc	ttaaactgca	ccctggagaa	cggcgtgcct	tgtgtgattc	2400
aggagtgcgc	cccgtttcat	aatagtttca	ttgattggag	tgcaacatgc	gaaggccagt	2460
tttccagcgc	atactgtcca	ttggaattga	acgattacaa	tgcttttcca	gaagaaaaca	2520
tgaactatgc	caatggcttc	ccctgtcctg	cagatgttca	gacagacttt	attgatcaca	2580
actctcagtc	tacctggaac	accccccccc	aacatgcctg	cctccctggg	gaaatgcca	2640
gtttccatcg	agctctcggc	cctacctcaa	aagcaccocg	aaagcttgtc	tcccaatgtc	2700
tggacttttt	gggtcccatcc	tgggccccgc	caaagcgatg	tgtatgaaaa	ttgctgcccc	2760
atcaaccccca	ccacggaaca	ttcggacccc	acatggaaaa	ccaagcgggt	cgtgtgcaag	2820
gaatactacc	cggggttcaa	acccgtttcg	cgcctatatg	aacctggaca	tatggactac	2880
cacacgcgaa	taggaatgca	aattttccac	tgtctagaga	ctcgagttac	tgtgggaatg	2940
tgtgaaaata	attggatttt	taatacaatg	tgaataaaga	ggcttgtgtt	ttgattacta	3000
gtgtaaaactg	gttattgaga	tagattatga	cattgttggg	tattttggca	cttttatatg	3060
aaaataaatt	ttttaatgaa	aaaaaaaaaa	aa			3092

<210> 6155

<211> 2252

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (49)...(2005)

<223> similar to gil87572 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 6155

acctctcggg	ctcgacccga	ttcccgggtca	ccgatgattc	gtgcgaccca	cgcgtccgag	60
aaatgtgaga	gcttctttgcc	gccagagtgc	cgctcttttg	ctgtagatcc	ccagatcacc	120
tcgtctcgacg	tgttgacgca	catcctcatc	cgagcctttg	atttgagtgg	gaagaagaac	180
tttggcatca	gctacctggg	ccgggacccg	ctaggacagg	aagtttacct	ctcactttcta	240
tctgactggg	acctcagtac	agcctttgcc	actgcctcca	aaccttacct	gcaattgcgt	300
gtagataattt	ggccctcggg	ggacagccca	ttgctagaag	actgggacat	aatcagcccc	360
aaagatgtca	ttggctccga	cgtgttgctg	gctgagaaac	ggatcatcact	gacgactgcc	420
gccctgccct	ttacacagtc	catcctcact	caggtggggc	gtaccttgct	taagggtcca	480
acaagtgcgtg	agctggctgt	atgggggaaga	tgtcaagccc	ttcaagccac	ccctgagcga	540
tgtctgagttt	cacacgtacc	tgaaccacga	gggccagctc	tcccgacccg	aggagtgcg	600
cctgcggatc	tatcatggcg	gtgtggagcc	ctcgctgcga	aagggtggtg	ggcgggtacct	660
gctgaacgtg	tatccagatg	gactgacagg	ccgagagcgg	atggactaca	tgaaacgcaa	720
gagccgcgag	tatgagcagc	tcaagagcga	gtgggcccag	cgagcgagcc	ctgaggacct	780
ggaattcatc	cgcagcacgg	tcctcaagga	tgtactgcgc	actgaccggg	ccccccccta	840
ctatgcgggg	cctgaggatg	gcccacatct	acgggcgctg	cacgacctgc	tcaccacctta	900
tgccgttacc	caccacaggg	tgtcctactg	ccagggcgatg	agtgaccttg	cctcaccat	960

cctcgctgtc	atggaccatg	agggccatgc	ctttgtttgc	ttttgtggca	tcatgaaacg	1020
cctggccgcc	aacttccacc	ctgacggccg	cgccatggcc	accaagtttg	cacacttgaa	1080
gctgttgctg	cgacacgctg	accctgactt	ttatcaatac	ctgcaagagg	caggcgctga	1140
tgacctcttc	ttctgttacc	gctggctgct	gctggaactc	aagcgtgagt	tcgccttcga	1200
cgatgccctc	cgcatgcttg	aggtcacttg	gagttcgctg	ccccctgatc	ctcctgaaca	1260
tgaggtagag	ctggttgga	ccccagcca	agtggcagac	actggttttg	gtggccacag	1320
ggggtggccc	gtgcgacaga	ggcacatgct	gaggcctgct	ggtggaggag	gtagtacctt	1380
tgaagatgct	gttgaccacc	tggccacagc	cagtcagggg	cctggtggtg	gggggcgtct	1440
cctgagacag	gccagcttgg	atggcctcca	gcaactcagg	gataacatgg	gctccaggag	1500
ggaccctctg	gtccagctgc	cccacccagc	tgcccttata	agctccaagt	ccctctctga	1560
gcctttattg	aactccccag	accactgct	ctcctccttt	tcccaccctg	attccccatc	1620
ttcctcatct	ccaccatcca	cccaggaggc	ctctccact	ggtgatatgg	ctgtaggatc	1680
ccccttgatg	caagaggtag	gctccccgaa	agaccctgga	aagtccctgc	cacctgtacc	1740
accaatgggc	ctgcccccac	cccaggagtt	tggccggggg	aaccattca	tgctgttcct	1800
ctgcctggcc	atcctgctgg	agcaccgcga	ccacatcatg	cgcaatgggc	tggattataa	1860
tgagctggcc	atgcactttg	accgccttgt	gcgaaaacac	cacctggggc	gcgtcctgcg	1920
ccgggctagg	gctctctttg	ctgattacct	gcagtcagag	gtgtgggact	cagaggaggg	1980
ggctgaggcc	acagccgcat	cttgatcagg	ctttctcaag	ccctccatcg	gccccaccag	2040
atctccattc	tttgccatga	gggccaacac	atgagacccc	acctccctcc	ctgcctgccca	2100
gccctagact	tggttgagca	tagagccctt	cctccccagg	cctaagtatg	tggagctctg	2160
ctttggcact	gccccgcaga	ggccacgcct	atttattctg	tttctgttgt	tttgttttta	2220
acaactatac	tttgcacaca	tgaaaaaaaa	aa			2252

<210> 6156

<211> 1604

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (41)...(1091)

<223> similar to gi897909 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 6156

ctgagctcgg	tcgcggctgc	ctgtctgctc	cggcagcacc	atgtcgctct	tggtcgtcag	60
catggcgtgt	gttggtttct	tcttgctgca	gggggcctgg	ccacatgagg	gagtcacacag	120
aaaaccttcc	ctcctggccc	accaggtcg	cctggtgaaa	tcagaagaga	cagtcctcct	180
gcagtgttgg	tcagatgtca	tgtttgaaca	cttccttctg	cacagagagg	ggatgtttaa	240
cagacactttg	cgcctcattg	gagaacacca	tgatggggtc	tccaaggcca	acttctccat	300
cagtcgcatg	acgcaagacc	tggcagggac	ctacagatgc	tacggttctg	ttactcactc	360
cccctatcag	gtgtcagctc	ccagtgaccc	tctggacatc	gtgatcatag	gtctatatga	420
gaaaccttct	ctctcagccc	agctggggccc	cacggttctg	gcaggagaga	atgtgacctt	480
gtcctgcagc	tcccggagct	cctatgacat	gtacatcta	tccagggaag	gggaggccca	540
tgaacgtagg	ctccctgcag	ggcccaagg	caacggaaca	ttccaggctg	actttcctct	600
gggccctgcc	accacggag	ggacctacag	atgcttcggc	tctttccatg	actctccata	660
cgagtgggtca	aagtcaagtg	accactgct	tgtttctgtc	acaggaaacc	cttcaaatag	720
ttggccttca	cccactgaac	caagctccaa	aacgggtaac	ccccgacacc	tgcacattct	780
gattgggacc	tcagtgggtca	tcatcctctt	catectctc	ctcttctttc	tccttcacg	840
ctggtgctcc	aacaataaaa	aatgctgcgg	taatggacca	agagtctgca	ggaaacagaa	900



cagcgaatag	cgaggactct	gatgaacaag	accctcagga	ggtgacatac	acacagttga	960
atcactgcgt	tttcacacag	agaaaaatca	ctcgcccttc	tcagaggccc	aagacacccc	1020
caacagatat	catcgtgtac	acggaacttc	caaagtctga	gtccagatcc	aaagttgtct	1080
cctgcccattg	agcaccacag	tcaggccttg	agggcgctct	ctagggagac	aacagccctg	1140
tctcaaaaacc	gggttgccag	ctcccatgta	ccagcagctg	gaatctgaag	gcatgagtct	1200
gcatcttagg	gcatcgatct	tcctcacacc	acaaatctga	atgtgcctct	cacttgctta	1260
caaagtgtcta	aggtccccac	tgcttgctgg	agaaaaaaca	cactcctttg	cttagcccac	1320
agttctccat	ttcacttgac	ccctgcccac	ctctccaacc	taactggctt	acttcctagt	1380
ctacttgagg	ctgcaatcac	actgaggaac	tcacaattcc	aaacatacaa	gaggctccct	1440
cttaacgcag	cacttagaca	cgtgttggtc	caccttccct	catgctgttc	cacctcccct	1500
cagactagct	ttcagtcttc	tgtcagcagt	aaaacttata	tattttttaa	aataacttca	1560
atgtagtttt	ccatccttca	aataaacatg	tctgccccca	tggt		1604

<210> 6157

<211> 4471

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (4451)...(1233)

<223> similar to gi4240201 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 6157

ttcaaaactaa	aaactctaac	gaatagacag	tgagttttct	ttgacataga	gatgtcgcag	60
cctgagacat	cgcagtctgc	ggagaaagtt	acttgtaggc	gagtgtatct	actattgtac	120
cacgcaggca	ttgaacattc	tcattaacat	gataatacaa	tttgctggta	aacattttaa	180
cacacagaca	ttagtttcag	tatctcaaca	tatttttggt	cataaccaag	gaaatacatc	240
aaaataatgg	acaaccattg	gctaataatt	tacaagcaaa	tatttaactc	tgcatagttt	300
ataccaatag	gctgtggcca	ataaataatg	tcaccaatc	ctcatccacc	tattaactgg	360
cccacaagaa	gccctaacat	tccattttta	attatggata	tggaatggc	tctattgggg	420
tagtttcaac	atatccttaa	atgtttgggt	gtttaacctt	gaatacaccg	aaaaaaaaaa	480
gtactaaact	ggactaaaga	aggtgtgttt	ggttaactac	aaatatgtca	tgttcacata	540
gtacattcct	aacatgaagg	caaataattt	aatagaaaaa	ctagcagtc	aaaaaatgtg	600
aatgtgcaaa	ttgtgagtaa	aacattgcat	ttaaatttgc	actcatttgc	aagttacagt	660
actagctcag	tataaacact	aacaggaaaa	atattcagca	ggaaagaatg	gaaacggcct	720
ctcacagcag	agaactggtc	actgcgcact	gctccacagc	taagaaagtt	ttccagggtg	780
tctagcgctc	ctaacaacaa	ccttatgatt	atccttcatt	caacagagga	ggagactgca	840
ggcatgcttc	agtcagtggg	aagaacagga	agaaaaaccc	aaatcagcaa	cattttcttc	900
cttaatttgg	tataaacgtc	cttttcatta	tttcaagtta	ctaatttgct	aatctcaaat	960
gttttctgaa	tcaggtttgg	ctaaatgctg	taaagaatag	ctatccttca	tacaatacta	1020
ggttttatct	tttttagtat	gtcagcataa	taaggtagat	ggcgatttca	ttccaccaac	1080
ctgttttagat	aatactcagc	ttgggtcata	ttcaaattct	acacagagat	tctctgtttt	1140
caatacaact	gcttagaaaag	cagaattgcc	tagtgatgac	tgtagtgtgc	cttttaactg	1200
aaatgtatat	aaaaataaaa	ccccaatctt	tatagaatgt	caagaattct	gttaggggatg	1260
ttaaaagcat	tgggcaaaac	cctgggtttt	agcgtgccat	ctgcaccaca	ggagaagagc	1320
cgattgccct	ggatgatgtc	aatctgcatg	actccagccc	caatgtttcg	aaatatggac	1380
tgcttagcat	gttactttt	aaatgaatga	attaggccat	ggcctgtcaa	tctccaaacc	1440
tttatgttac	cttctgctga	acctgtggta	aaatattcct	catagggatc	caaggccaga	1500

gacctaatag	ctgagtcatg	ggcctggaac	gtgtgaatga	gctgcctttg	cctgatgtca	1560
aaaatgcaga	cgtgtccttt	ccctaccccc	gagattagga	gttgctgttt	gggtgcatac	1620
tgcagtaccg	tggcaccatg	atcgtggcac	gtgaaacat	gaatgaggct	gtttccgggt	1680
gatattaatg	tgtcccagag	gcaaacattt	ctattgtcat	tggagtgtcc	agatgtggca	1740
actagacttg	aagaggtaat	aaatgcaaag	tcacttgtgg	ctttactgtg	gcactgccaa	1800
ctcatataag	gtttaggatt	tgatgcagtt	tggttaactt	gccagatact	cagaaaaacc	1860
tctccatccg	caacaccaca	cttgtttgct	tgtgaattaa	aataataatct	agtaactctt	1920
gcattgccag	cttgacgaaa	gcagacaagt	tgctgaggcc	gcgtccattc	aaacattcgt	1980
acactgccgt	cctgagcacc	tgtaaagatag	tattgatgga	ctgggtgtga	agtcattctc	2040
ttaacattat	gtagattcct	tttcataaag	acactagctc	cagtgtcagt	ctgtccagtg	2100
cccagccatg	gcagagatga	aggtggatgc	acctgacttg	ctgaatagga	tgttgcactg	2160
ggttgataaa	gagttgtagt	ggaaccacga	taatcaacat	catctgaact	tttggattct	2220
ctgtcatatt	cttctccgat	ccatatgtat	gactgacagg	ccagtagaga	agtaacatca	2280
agttcttgaa	catcatgtgt	tgaagccaaa	acaatttcat	tacaatttgc	cttattaaca	2340
gaaaatgcc	tgtcatatc	agattcctta	tggatgactt	tgccttttcc	acctggatag	2400
cccagatcag	cttcaacctc	actctgcttt	cttttcttag	tgaaaatata	tctaataaat	2460
gtctcttgaa	ggacctcttt	gtttaacaag	gaaatgccaa	agtcgtttga	ctggaatatg	2520
caaaaaaatc	ccgggactta	atgggggtat	tttcaggttc	tagcattgct	ttattttcga	2580
aaataggctt	ggtccagctc	ccactgaaag	gtcagttgga	tatgtgttga	tatagttagg	2640
gggtggacct	tcaaactgat	ccattttctc	ttgcaagatc	tgttccaggt	tctccaaggt	2700
ttttaatcac	agcaatacct	aatgggtgat	ttacaggcag	ctcagagaa	tccagtccag	2760
caataggaaa	gaaattcttg	acattgtgaa	gtgctagt	aaccattgtc	aaatgtagaa	2820
gagcccagct	atagggaatt	ggatcttgg	gctcctgtat	ttgtgtatct	gaaaaaaagg	2880
catcatcttc	ttcatcacta	tgaatgcttt	catcagaatc	atatataaca	ccactatcag	2940
acaaaggaag	aaatggcttt	gcaacaaaat	aatcccat	actaagttcg	ggaggaataa	3000
atttttcttt	gtaagatggt	ctttctgcag	gcaccgggtg	tggggtagca	tcttttacag	3060
gccttccagg	gacgagcatt	ctcatgttaa	atctcctacg	gtgtttatct	atgtcttcag	3120
aaaggacag	aggtgctgaa	atattttctg	attgtcttcg	aggtttcaca	acaagtttta	3180
caccgctcc	aaaaacagca	gcccacattc	gattatttaa	tgggtgggct	gcaagccgaa	3240
ataattcact	ggaggaat	gtggcaagag	catgtatcaa	taaacttaag	taaacagcaa	3300
caacagcttc	acatagcaaa	atgttccagt	ttggctggct	ttcatcttgg	gctgaactca	3360
aaagattaat	aagtgcgtc	acaccaggcc	attgagcagg	agatgaattt	ggtgtgtcgt	3420
gttcttcaat	gctttctgtc	cttagctctc	tacgatcact	taaaagaagt	ccttgataag	3480
ccattcctgt	aaactgattt	ccttctgttt	gactgctgta	gctatgactg	tcacataatg	3540
cttggtaaat	tgatgcagaa	agtgatgctg	ctagtgaatg	aagtgtgtgc	accttcacat	3600
cttcaatact	gggatgaggt	ggtgttttca	tctgaacaat	agtataaagt	atatcatgga	3660
tgtgattatt	taagtacaat	acaggattag	ctatgactgt	ttttgttgac	gcaataactg	3720
ctgaaagcag	aggtagggtg	gtaggcagtg	gtagtggaga	ctggagctgc	tttactgtag	3780
tttctgttg	tgattcttgt	agcaaaaatt	tgagttccat	ccttactgaa	gccaaaccac	3840
caccttgggc	cccataagag	ctacagtagc	tgagaaat	tctcaggaga	tcttgggttt	3900
tctgcaacca	cgactttcgt	ctttctgcat	gctctogttt	ggcctgcaat	cttcttcttt	3960
ctatttgatg	gcgctcatag	gaaccaatat	ctgggtttgtc	taccatttct	tctgatcca	4020
gcagatcact	ctctactttg	gaatatgtct	tactggaata	ctctttaata	actgattcat	4080
gattacatat	ctcatgcaag	gcagcaattt	ccttttcaag	ccagttatag	agttgaaatc	4140
tgagttttcc	tccatctact	tcataacctg	tagccaatgt	tcttaattca	gtcataagga	4200
tctttaaaca	agctctgaat	tttagttgtt	cagcaatcac	atcaacttca	gtatcacctt	4260
caggatcatc	ctcttctga	ggtgttaata	acatgttagg	gtctgaggcc	ttctgatctg	4320
attgtttatc	tttttccctg	gcactgtgac	ttttcatcac	taaaccaaca	gcttcgtctt	4380
cctcttcac	taaggcactg	tcgtgatctt	cacccaatc	aagattaaga	ggttcctcat	4440
caacttttac	tattggctga	ctccaqtc	a			4471

<210> 6158

<211> 2078

<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (52)...(1958)  
<223> similar to gil617312 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 6158

cagaataaga	aataactggt	atttgtcaag	tgacaagctt	ttaatgtcag	aatggctcac	60
ctaaagcgac	tagtaaaatt	acacattaaa	agacattacc	ataaaaaagt	ctggaagctt	120
ggtgcagtaa	tttttttctt	tataatagtt	ttggttttta	tgcaaagaga	agtaagtgtt	180
caatattcca	aagaggaatc	aaggatggaa	aggaacatga	aaaacaaaaa	caagatggtg	240
gatttaatgc	tagaagctgt	aaacaatatt	aaggatgcc	tgccaaaaat	gcaaatagga	300
gcacctgtca	ggcaaaacat	tgatgctggt	gagagacctt	gtttgcaagg	atattataca	360
gcagcagaat	tgaagcctgt	ccttgaccgt	ccacctcagg	attcaaattgc	acctggtgct	420
tctggtaaag	cattcaagac	aaccaattta	agtgttgaag	agcaaaagga	aaaggaacgt	480
ggggaagcta	aacactgctt	taatgctttc	gcaagtgaac	ggatttcttt	gcaccgagat	540
cttgaccag	acactcgacc	tcctgaatgt	attgaacaaa	aatttaagcg	ctgccctccc	600
ctgcccacca	ccagtgtcat	aatagttttt	cataatgaag	cgtgggtccac	gttgcttaga	660
actgtccaca	gtgtgctcta	ttcttcacct	gcaatactgc	tgaaggaaat	cattttggtg	720
gatgatgcta	gtgtagatga	gtacttacat	gataaactag	atgaatatgt	aaaacaattt	780
tctatagtaa	aaatagtcag	acaaagagaa	agaaaaggtc	tgatcactgc	tcggttgcta	840
ggagcaacag	tcgcaacagc	tgaaacgctc	acatttttag	atgctcactg	tgagtgtttc	900
tatggttggc	tagaacctct	gttggccaga	atagctgaga	actacacggc	tgtcgttaagt	960
ccagatattg	catccataga	tctgaacacg	tttgaattca	acaaaccttc	tccttatggg	1020
aagtaaccat	aaccgtggga	aattttgact	gggagtcctt	tcatttggct	ggggagtcgc	1080
ttcctgatca	tgagaagcaa	agaaggaaaag	atgaaacctt	cccgggaagg	gcaccactt	1140
ttgcaggagg	acttttttcc	atatcaaaaag	aatatattga	gtatatggga	agctatgatg	1200
aagaaatgga	aatctgggga	ggtgaaaata	tagaaatgtc	tttcagagta	tggcaatgtg	1260
gtgggagcgt	ggagattatg	ccttgctctg	ttgttggaca	tgtttttcgc	agcaaaagcc	1320
ctcatagctt	tccaaaaggc	actcaggtga	ttgctagaaa	ccaagtctgc	cttgcagaag	1380
tctggatgga	tgaatacaag	gaaatatttt	ataggagaaa	tacagatgca	gcaaaaattg	1440
ttaaacaana	agcatttggt	gatctttcaa	aaagatttga	aataaaacac	cgcttctcag	1500
gtaaaaattt	tacatgggat	ctgaacaaca	tttatccaga	ggtgtatgtg	ccagacctta	1560
atcctgttat	atctggatac	attaaaagcg	ttggtcagcc	tctatgtctg	gatgttggag	1620
aaaacaatca	aggaggcaaa	ccattaatta	tgtatacatg	tcatggactt	gggggaaacc	1680
agtactttga	atactctgct	caacatgaaa	ttcggcacaa	catccagaag	gaattatgtc	1740
ttcatgctgc	tcaaggctct	gttcagctga	aggcatgtac	ctacaaagg	cacaagacag	1800
ttgtcactgg	agagcagata	tgggagatcc	agaaggatca	acttctatac	aatccattct	1860
taaaaatgtg	cctttcagca	aatggagagc	atccaagttt	agtgtcatgc	aacctatcag	1920
atccactcca	aaaatggata	cttagccaaa	atgattaagt	gttccttaaa	attaagttga	1980
aaaaggaaat	attctttctc	ataaaactgt	gactaggcat	acactgtagt	ttttgaaaat	2040
tatgcaaaag	cagctaaatg	taacttattc	caagtga			2078

<210> 6159  
<211> 1835  
<212> DNA  
<213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1474)...(1322)  
 <223> similar to gi496724 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 6159

cataat	ttttg	gtgata	tcaa	tatcaac	tta	acactaca	aat	taggaac	caa	tagtact	ttaa	60
agagtt	catg	gcgcac	agta	agcgctt	cat	aaatatta	aac	tattagc	caga	acaggaaa	aag	120
gtgaga	gaaaa	actagc	acgc	agtatttt	tct	aatcctag	t	ttgagac	t	tacacac	tta	180
atccctt	cct	cataaat	gta	acccaaaa	aat	aatctgtc	at	cattctat	at	aagacag	atg	240
tcttca	ctta	ttgttact	ta	ggggaaa	tca	aatcata	aacc	ttttaata	aag	acacaaga	aaa	300
aactct	cttt	gcactgat	ttt	ttattaa	aca	agtaagg	ctg	gtagtgga	aac	atattttt	at	360
ttaatg	cata	aacatata	aag	tccctt	tatta	gagaaa	actgt	atata	ttgat	gaatatg	gtc	420
aatgg	tcaca	tctatgg	gtt	aattctt	ttaa	aaatcaga	aac	caataa	ttag	gatagatt	ttt	480
atgctc	tctt	cattacatt	g	tgaagt	gtct	tgtgtag	tca	tattctat	tg	ttggaat	gac	540
agcttg	taca	aatttca	aga	aaataaga	aag	atacatat	g	actcca	aagt	ctcccc	ctc	600
ttctg	caaca	gtctcaat	ga	ttttctt	cat	cacctcag	c	tgcc	tgcatg	ggtga	actga	660
acacat	ggga	ggtgg	tgga	gatgag	gggtg	attttca	atg	gtcact	gtt	tcttcac	atg	720
atcctg	actg	atgtctt	cat	acatgtg	ctc	aactgtt	aaa	ggctg	ccgtt	gctcat	cata	780
gccaa	acaac	cataatc	gtg	gagtctg	gta	atatttt	atca	taagt	gatgt	aaaggt	cata	840
agttc	tggt	tgcaaaa	tag	catctt	cacc	gccagc	atca	gtttt	ggctt	tacaag	cttc	900
tactat	ttttc	cttgat	cta	gggtag	cctc	atctgtt	tcc	aacaat	ccac	tctctt	cata	960
ttcttc	cata	tctgcag	ctt	ctcctt	catc	ttcatctt	ct	tcctctt	cac	atagt	gctga	1020
gcaat	cttga	agcctt	tatat	tgtcctt	tatt	ttccagt	gtg	atctctt	ttaa	cggctt	ccgt	1080
tattc	cctgta	atacct	gtgt	tgtgat	atgt	atctac	ccat	ccgccat	cac	catcat	cttc	1140
ttcaat	gata	gcttcca	aatt	catctg	aata	ttccat	ctgt	ttgcacc	gct	tatagc	acgg	1200
cacatt	ttttg	gttacc	aaaa	attgtt	tgcc	tgttgg	tagg	tatgc	cttca	ctttca	attc	1260
ttcccc	tgta	gcccat	tgcc	atgtt	ggaca	gtgg	tgga	aggt	gatctc	cagctg	ccac	1320
aaact	cttct	ggggt	aatta	cacct	gtttc	cttaa	acttt	gattc	cttga	ggacc	gggt	1380
caggt	actca	gccact	tcca	gtgc	ctttcc	cttcac	agta	ttaat	cacat	tctg	catcct	1440
ggggc	cgag	tagc	ggccg	cccc	cgacg	ggat	ggaa	tgca	gccgtg	tcagg	ggcca	1500
gggag	tcaga	aaatg	tctc	gctg	ccaccg	actc	gcac	ta	gcccc	ggct	ggcagc	1560
gaggg	gacgg	gacgc	gacgc	gacgg	gacgg	gcgg	gacg	g	gggg	cgggg	ggcagg	1620
gcgcg	cgaag	acggg	gtgc	cgatc	cctcg	accc	caggca	gccc	cgacg	g	accgg	1680
agctg	tcacc	cagcc	cgag	ggagg	gcagc	gggg	cgaag	ggag	acctga	ggtg	agaagc	1740
ggacg	cacac	gcaccc	ctcg	ccctt	tggga	gctgt	ctgtc	ctcg	ctttgc	ttcact	cgcg	1800
ccctt	cgtgt	tccctt	ctct	ctccg	tgtgc	cgaat						1835

<210> 6160  
 <211> 2025  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (202)...(1350)  
 <223> similar to gi5360269 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400>	6160					
tccctagtc	atgtcgtgga	attcgggaaga	ggcattgagg	actttcctta	cctgtttttc	60
cagctcacc	actgccagca	gaggatctgc	tccgtcacc	aggctggagt	gcagtgggtg	120
gatcacagc	cactgcagcc	tcaaactcct	gggctcaacc	agtcctctca	cctcagcctc	180
ctgagtagc	gggattacag	aatgctgtcc	agtttcaacg	agtggttttg	gcaggacagg	240
ttctggttac	cacccaatgt	cacgtggaca	gagctagaag	accgggatgg	ccgtgtctac	300
ccccacccc	aggacttggt	ggcagccctg	cccctggcgc	tggctcctct	ggccatgcgc	360
cttgcccttg	agagattcat	tggcctgccc	ctgagccggt	ggctgggtgt	gagggatcag	420
accaggaggc	aagtgaagcc	caacgccacg	ctggagaaac	acttcctcac	ggaagggcac	480
aggcccaagg	agccccagct	gtctctcctg	gccgcccagt	gtggcctcac	gctgcagcag	540
accagcgat	ggttccggag	acgccggaac	caggatcgac	cccagctgac	caagaagttc	600
tgtgaggcca	gctggaggtt	tctcttctac	ctgtcctcct	tcgtagggcg	cctctcggtc	660
ctgtaccacg	agtcatggct	gtgggcacca	gtaatgtgt	gggacaggta	cccaaaccag	720
ctaaccttgt	cctgtcctgc	tgcagactct	gaagccatcc	ctgtactggg	ggtacctctt	780
ggagctgggt	ttctacctct	cactgtcta	caggctgccc	tttgatgtca	agcgcaaggg	840
tgggggacct	tccagcatca	agcctcgctc	ccactatgac	ccaccgtcta	ctgcaggatt	900
tcaagtagca	ggtgatacac	cacttcgtgg	cggtcatcct	gatgaccttc	tctacagtg	960
ccaacctgct	gcgcattggc	tctctggctg	tgtgtttaca	tgattcctct	gactacctgc	1020
tggaggcctg	taagatgggt	aactacatgc	agtatcagca	agtgtgcgac	gctctcttcc	1080
tcatcttctc	ctttgtcttc	ttctacaccc	gactggctct	ctttccacc	cagatcctct	1140
acaccacata	ctacgagtc	atcagcaaca	ggggcccctt	cttcggctac	tacttcttca	1200
acgggcttct	gatgttgctg	cagctgctgc	acgtgttctg	gtcttgcttc	attctgcgca	1260
tgctctatag	cttcatgaag	aagggccaga	tggagaagga	cattcgtagt	gatgtagaag	1320
aatcagactc	cagtgaggag	gcggcggcgg	cccaggaacc	tctgcagcta	aagaacggga	1380
cagctggagg	gcccaggcca	gccccactg	atggccctcg	gagccgggtg	gccgggcgtc	1440
tgaccaacag	gcacacaaca	gccacatagc	cgggcggggc	tggctgtaag	gggttgcccc	1500
cccgccagtg	ccttggatat	ttctgggggtg	actggactgg	cgcccctggg	ccacctttct	1560
ggagacaggg	agggccccac	ccggggtggg	tgggaaggct	gatgatctgt	ctccagcccc	1620
ttccttctgc	ccacccaccc	ttcttccttc	tgggcaactg	gacagatctg	ggagccagca	1680
gctggatgct	gtggctggcc	agagacacct	ccaggctgtg	gcctgggggc	tggggggagc	1740
cccaggctga	aaagggtcca	attaaaacaa	atggagccaa	attttctgcc	tgagaacttg	1800
ggtccctatc	aaagtctcct	cttccatccc	agagaccccc	gagggagcca	ggcctctgct	1860
tacatacccc	acctacggga	tcccactgc	acttcagcct	gggacaacaag	agcaagactc	1920
catctaaagg	aaaaagaaaa	agaaaaaaaa	aattcccaaa	agaaaatggc	caataagcac	1980
atgaaaagat	attcaacatt	gttaqtcata	aaaataatgc	aaatc		2025

```
<210> 6161
<211> 2088
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1758)...(931)
<223> similar to gi4884142 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```

```

<400> 6161
aaggtgtgga aatttctttt attttcccca aataaactct tctcccttat ggcacatat 60
atgaatgatg agaaatccta aatttagttt attccataaa gtttaagaaa taggtcaggt 120
ttggcatctg tttatctcca ccaatccctt tgttaatcaa cacgttgtgg atgtgcaa 180
gccagcaact gttttattta ggaaaacagg catggcaaaag caatagtctt tccctgggg 240
tcacaaactg agcatgtgac agagctgaaa acagcgaaaa aggtttactg tctgggagtc 300
ccattgggga ttctacttcc tcaacagagc ctcaggggcat ctgatttatt ataaagtact 360
ctgagtcata atgacttaat tgtgactttt atttaactag catgttcatg taactagaat 420
gcacctgtac atgaatttta aaatgtcata ctgtgctatt tttcttaatt ctgtaagggt 480
aacaagtaac tcagtaatga cttaaaactt gctatatatt ttcaatacta agataaaagt 540
tttaaccaaa cttacaacag gcacattttg gcagttagtg taaacacaac attaacaagc 600
catatgccag aagatgtttg cttccaaggc cttagagaaa atgactgaac aagggcctac 660
atccaaacta atgcttcccc cttccccctg atttttgaca gttgacagct catcagtttt 720
cttctcacac tggctttttt gattgcccc tggtaggaat ttcttccatt aacactgctg 780
atagaagtgt cttactgtag gctcaccctt tgctctgccc ttctgaggtc cttctgcagc 840
ttatcttttg tcaacttctc tttgtcaact gatctctagt ttgtccctca ggaataccaa 900
ggagcgcgtc aagtgcattg atccgggcta agcaggcagg gaagaacagg tctgtttttc 960
caccactctc ttaatcagtt ggtgggagat ggctaactta gggggcagcc agaatgggaa 1020
agtccattc tgttgctgag tataggggcc ctttctcttc agggctgtgg ctacctcatc 1080
atgactgaac caggcagctg tctctaattc tctcaagttc acctggattt ctgtctgccc 1140
tggtttcaca gttgcatggc aagcaatcat gagtgaacca ctagggaagg gccaatgctg 1200
ggatgcatag tactgcaggc ttccacctc caatcccacc tcttctgcaa cttctcggcg 1260
gatggtctct tccacacttt cacctatatc acaaaaacct gccaaaggcag aatacattcc 1320
cttgggaaag gagctttggc gggcaagcag gcatcgggtc ccatctgaca ccagcgtgat 1380
cgccacagga gccatctgtg gataatagat tatattattg gaagggcaca cacgcttgct 1440
gccagccacg ttccttcttg gtgggctgcc ccacttctgc ctgcaagaac tgaatgagca 1500
tcatgcccag cggagaagag cttgagccgt ggacagcaag gaggcacccc ttgcattgaa 1560
gttgaaagag tgcctttctc agctcaatga aagacccctt gagctctgtc tccatttcag 1620
gtttgtgtaa ggaggcactt atggaaaagg agctatccag acctagatcc agagcaaacc 1680
atgcttcctg ctgctcagag catccaatca gcacagaatc ttctattctt tgtgcaccc 1740
gtccaaattht acccaggagc ctttccaact ctaagaaaca gaaaggggaa gggagaaaag 1800
caaaacacaa gggtttctat taaatcacta cagccatatt agactcacag aaaatcatct 1860
acttcagctt aaagtgggta tacttggtt ccaactgcag ctaattagct atgtaacctt 1920
ggtctaacca tttaacctct ccaggcctgt tttctcatta gcagtctgag gacttttagac 1980
caaagaagga attcttgat aacattgtat tactctatgg ctgtatcatg aaaggaaaat 2040
atcccctagt tagtaagatg catgacagtt aacttattaa gtcattga 2088

```

```

<210> 6162
<211> 1008
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (21)...(328)
<223> similar to gi5070698 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

```

```

<400> 6162

```



```

agagatacat gttgcataga cagattaagc caaaagtcaa aaaagatttg acattccgcc 1260
agccggtgta gtagacaagt aaataacact ggtaaaggca ggctgctgtt ccaaggaaaa 1320
atgcaatgat gtaattaaaa tcatcaccat cactctgcag gagactttct atagcatgaa 1380
agcctcgaat taaattcaga gctccacata aaagactaag gataaatcct acaatccctg 1440
acagagttgc tggttccagt cgctgggtgag cagaagaaat cttaccagca cctttacagt 1500
caacagaaaa tgctgatgtg actccattgg ctgacccag ttcgcacatg gaaatttgat 1560
aaggaggcct cagcttgatt tccgtctgca tgtcagaaag atttatcttt gttgaaagag 1620
acctgggatt attatatcgc tgcttggtcc tctgaatgaa gttatcaaatt tcaatgaaac 1680
agtatggtct gacagcagta tttgtcttca tcatgttata agtagtaatg aactccttct 1740
gaagctcatc caggaaagag aaggcgagaa catttgggta attttcagtg cacaacatca 1800
tgtagctcac tcccagagag ctaataaaaat taatgttata atgtccagtt ttcagtgtag 1860
atctatcagg aagttgagca agtttctctg aaagcatttt aaaatacttt ctgcactcct 1920
gcatttcctg gctttgttca taatcagtag aagcagaaag tggcagtcca tctctgacac 1980
gaatgactga ggcagataaaa atcatagaca ttccaaccaa cagagaagac ttggctcctg 2040
cccgtggggt aggtcttcag tcccagagggc gaaggccgag gctgtggcga gaggcaggga 2100
gcgggagggg agaggccggc agggattcga acga 2134

```

```

<210> 6164
<211> 4393
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (271)...(3214)
<223> similar to gi4240285 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 6164
cgctccgtaa tttccgggtc gacgatttctg tggcgcggtt gctggccggc ggctgagccg 60
ggagaaagga gctgcggcca ccgttcgccc tacttctgcg cctcggggcg ggcgcgccgg 120
taaaaatggc gaaatggggg taggcggcgc tggacctgaa gagatggggc gcgcaggtgg 180
ggcggttgtc agagccccct gacgtgggag ccgggctttt atcggcgatt tgatctggcg 240
acctcggggc ggcgcctaag aggtcagact gcggagcctg cgggtcgcca gcggccccgc 300
cgagagccgg aggcaatgga tgaacagagc gtggagagca ttgctgaggt tttccgatgt 360
ttcatttgta tggagaaatt gcgggatgca cgctgtgtc ctcatgtctc caaactgtgt 420
tgtttcagct gtattaggcg ctggctgaca gagcagagag ctcaatgtcc tcattgccgt 480
gctccactcc agctacgaga actagtaaat tgtcgttggg cagaagaagt aacacaacag 540
cttgatactc ttcaactctg cagtctcacc aaacatgaag aaaatgaaaa ggacaaatgt 600
gaaaatcacc atgaaaaact tagtgtattt tgctggactt gtaagaagtg tatctgccat 660
cagtgtgcac tttggggagg aatgcatggc ggacatacct ttaaaccctt ggcagaaatt 720
tatgagcaac acgtcactaa agtgaatgaa gaggtagcca aacttcgtcg gcgtctcatg 780
gaactgatca gcttagttca agaagtggaa aggaatgtag aagctgtaag aaatgcaaaa 840
gatgagcgtg ttcgggaaat taggaatgca gtggagatga tgattgcacg gttagacaca 900
cagctgaaga ataagcttat aacactgatg ggtcagaaga catctctaac ccaagaaaca 960
gagcttttgg aatccttact tcaggaggtg gagcaccagt tgcggtcttg tagtaagagt 1020
gagttgatat ctaagagctc agagatcctt atgatgtttc agcaagttca tcggaagccc 1080
atggcatctt ttgttaccac tctgttcca ccagacttta ccagtgaatt agtgccatct 1140
tacgattcag ctacttttgt ttagagaat ttcagcactt tgcgtcagag agcagatcct 1200
gtttacagtc cacctcttca agtttcagga ctttgcctgga gggtaaaagt ttaccagat 1260

```



ggaaatggag	ttgtgcgagg	ttactactta	tctgtgtttc	tggagctctc	agctggcttg	1320
cctgaaactt	ctaaatatga	atatcgtgta	gagatgggtc	accagtcctg	taatgatcct	1380
acaaaaaata	tcatttcgaga	at ttgcatct	gacttttgaag	ttggagaatg	ctggggctat	1440
aatagatttt	tccgtttgga	cttactcgca	aatgaaggat	acttgaatcc	acaaaatgat	1500
acagtgattt	taaggtttca	ggtacgttca	ccaactttct	ttcaaaaatc	ccgggaccag	1560
cattggtaca	ttactcagtt	ggaagctgca	cagactagtt	atatccaaca	aataaacaac	1620
cttaaagaga	gacttactat	tgagctgtct	cgaactcaga	agtcaagaga	tttgtcacca	1680
ccagataacc	atcttagccc	ccaaaatgat	gatgctctgg	agacacgagc	taagaagtct	1740
gcatgctctg	acatgcttct	cgaaaagggtg	tccctactca	gcttcctgta	agagaggcca	1800
aagaggatga	agaagatgag	gagaagattc	agaatgaaga	ttatcatcac	gagctttcag	1860
atggagatct	ggatctggat	cttgtttatg	aggatgaagt	aaatcagctc	gatggcagca	1920
gttcctctgc	tagttccaca	gcaacaagta	atacagaaga	aaatgatatt	gatgaagaaa	1980
ctatgtctgg	agaaaatgat	gtggaatata	acaacatgga	attagaagag	ggagaactca	2040
tggaagatgc	agctgctgca	ggacccgcag	gtagttagcca	tggttatgtg	ggttccagta	2100
gtagaatatc	aagaagaaca	catttatgct	ccgctgtctac	cagtagttta	ctagacattg	2160
atccattaat	tttaatacat	ttgttgacc	ttaaggaccg	gagcagtata	gaaaatttgt	2220
ggggcttaca	gcctcgccca	cctgcttcac	ttctgcagcc	cacagcatca	tattctcgaa	2280
aagataaaga	ccaaagggaag	caacaggcaa	tgtggcgagt	gccctctgat	ttaaagatgc	2340
taaaaagact	caaaactcaa	atggccgaag	ttcgatgtat	gaaaactgat	gtaaagaata	2400
cactttcaga	aataaaaagc	agcagtgtctg	cttctggaga	catgcagaca	agcctttttt	2460
ctgctgacca	ggcagctctg	gctgcatgtg	gaactgaaaa	ctctggcaga	ttgcaggatt	2520
tgggaatgga	actcctggca	aagtcatcag	ttgccaattg	ttacatacga	aactccacaa	2580
ataagaagag	taattcgccc	aagccagctc	gatccagtgt	agcaggtagt	ctatcacttc	2640
gaagagcagt	ggaccctgga	gaaaatagtc	gttcaaaggg	agactgtcag	actctgtctg	2700
aaggctcccc	aggaagctct	cagtctggga	gcaggcacag	ttctccccga	gccttgatac	2760
atggcagtat	cggatgatatt	ctgccaaaaa	ctgaagaccg	gcagtgtaaa	gctttggatt	2820
cagatgctgt	tgtggttgca	gttttcagt	gcttgccctg	ggttgagaaa	aggaggaaaa	2880
tggtcacctt	gggggcta	gctaaaggag	gtcatctgga	aggactgcag	atgactgatt	2940
tggaaaataa	ttctgaaact	ggagagttac	agcctgtact	acctgaagga	gcttcagctg	3000
cccctgaaga	aggaatgagt	agcgacagtg	acattgaatg	tgacactgag	aatgaggagc	3060
aggaagagca	taccagtgtg	ggcgggtttc	acgactcctt	catggtcatg	acacagcccc	3120
cggatgaaga	tacacattcc	agttttcctg	aatgtgaaca	aataggccct	gaagatctca	3180
gcttcaatac	agatgaaaa	agtgggaagt	aattgccaaa	tcaagagaac	tgacttgcaa	3240
gctaccttga	ccctgaattt	tgctgtagtt	ggtgctcaaa	tttgtcatca	gtcagataat	3300
cagatttggt	cttattttct	cattatctcg	acctgaaata	gtaatttgga	aactggttga	3360
aggtggcaca	gtttagtcta	agacagcagt	agtacatggg	aaaaacagta	tgggaagagt	3420
tctttgtaat	gtaaggaaat	aacaatgtag	ttctctatta	atttagcaaa	tttgtagatt	3480
cacaaaaggc	agtttgtcta	ctacagcaga	aggctgggtt	actgccagaa	aatgtacctc	3540
caggccctgc	atgccgtcag	taacccgccc	ggcattgggtg	ctctactgtc	tttggtctaga	3600
gcttagttgt	gtttaaataa	tcatctttat	at ttggggtt	tttaattacag	ttccattagt	3660
gcctgtagat	tagtgaacag	aaaattgctt	tgggaagagat	tctgccctgt	agacactatg	3720
tgaataactg	aagtaacact	agactgaatc	tccttttttg	agtatgtatc	ttctctcact	3780
tgttcaagta	caggcacact	gttcaaccgc	atggtatctt	tctgttgtgt	gacttctaca	3840
aatgtaattt	taaatgaaat	taagttaaca	tggattcatt	acgttcctgg	ccctgtagac	3900
acgtgtaaga	ttatttataa	ttctttcatt	tttttctgcc	tcttactata	cgactgtagt	3960
gcaacaaata	ttttaaagcc	cccttttctt	ctttattttc	attagtgtga	cattgatctc	4020
agtgtcaaca	cattttaaaga	ttcattcatg	ttgcacagtg	gcttacatga	acgtgaaact	4080
gtgatataag	gttttctttc	atactcataa	ttagcccaaa	acagttgccca	aactttgccca	4140
ttgtgctcct	gcat ttgtgt	ttgagctgct	atataattgt	ggaaattaca	ctgaaagttg	4200
actaagagac	tattgaaaaa	gcatgaataa	ttaaatatac	atgtgagaga	catctcatct	4260
gctgtatttt	acttagtgaa	tattgttcac	tcttccgtgt	ctgatgtctt	gctgaatgct	4320
gtgactcata	gtttactttt	gttcaaaaata	gtttgcactt	tttgtttaata	aaatcaactt	4380
gagaaaaaaa	aaa					4393

<210> 6165  
 <211> 3469  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <221> misc\_feature  
 <222> (56)...(1359)  
 <223> similar to gil82401 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 6165

aattttacccc	tgacgcggcg	gcggccgacg	ggaagctgtg	tgtgcttagg	tcgtgggtggc	60
cccggtggtg	gtgggctccg	ggcgggctcg	cgtcatcctg	cccccgctgc	gatgcatccg	120
cggcgcccg	acggatttga	tggcttgggc	taccggggtg	gtgcccggga	cgagcagggc	180
tttggcggcg	ccttccctgc	aaggctcctt	agcaccgggt	cggacctggg	ccactgggtg	240
acgactcccc	cagatatccc	cggcagccgc	aacctgcact	ggggcgagaa	gagcccgcgc	300
tacggcgtgc	ccaccacctc	caccccgta	gaaggcccca	cggaggaacc	cttttccagt	360
ggcggcggcg	gcagtgtgca	ggggcagagc	agtgaacagc	tgaatagatt	tgctggattt	420
ggtattggac	ttgcaagtct	ctttacagaa	aatgtattgg	cacatccttg	cattgttcta	480
cgcgcgcaat	gtcagggttaa	ttaccatgct	ctagcattac	catctcactc	catttacagt	540
catcaatatt	atgtacagtt	tcaacaaaac	tcagggacct	agagccctgt	ggaaaggaat	600
gggaagtaca	tttattgtcc	agggagtcac	acttgagca	gaaggcataa	ttagtgaatt	660
tacacctttg	ccaagggagg	ttttacataa	atggagtcct	aaacaaatag	gagaacacct	720
tctactgaaa	tccctaactt	acgtggtggc	aatgcctttt	tattcagcaa	gtctgattga	780
aacagtgcag	agtgaagata	ttcgagataa	tactggcatt	ttggagtgtg	ttaaagaagg	840
aattggaaga	gtgataggca	tgggagtggc	tcatagcaaa	cgacttcttc	cgcttctttc	900
cttgatcttc	cctacgggtg	ttcatggagt	tcttcattac	atcatcagct	cagttattca	960
gaagtttgtc	ctactaattc	taaagagaaa	gacttacaa	agccacctag	ctgagagcac	1020
tagccctgtg	cagagtatgt	tggatgctta	ttttccagaa	cttattgcta	actttgctgc	1080
cagtctttgt	tctgacgtta	tactttaccc	atttgaaaca	gttttgcacc	gccttcacat	1140
tcaaggaaca	cgcacaataa	ttgacaatac	agaccttggc	tatgaagtgc	ttccaattaa	1200
tacacaatat	gaggggaatga	gagactgtat	caataccata	aggcaggagg	aaggagtgtt	1260
tgggttttat	aaagggtttg	gtgctgttat	aatacagtac	acactgcatg	cagctgtttt	1320
acagattacc	aaaattattt	actctacact	tcttcaaaat	aacatttgag	atttaggttc	1380
cttcaactgag	tagtctggaa	gatataatct	ggataatttg	ctatgaagtt	atgagggata	1440
aaagtgaat	actggggaag	aaaatggatt	ggaaagtaaa	attggtacta	aagcccatc	1500
tgattatctt	gactttgttt	tttaaggcat	aggtatatat	tttggatcaa	aatccttcca	1560
aatttgaaaa	ctcaataaaa	ataacactta	ttaaattcta	gttagtgtag	cactcatgct	1620
gaagtaaaca	tgatcgtagg	cagaagcaaa	attttattat	aaaatctaaa	acaaaacttt	1680
atagagttga	atctattcca	tctgacttca	atatttgcca	aacgtttatt	ttacctccta	1740
gattgatgtt	ggtatagtat	ccttaataca	gtgtagtata	ttaatgtcct	taataacaatc	1800
aggaggtttt	tacctttaag	caaataaatt	atgtcattat	tgaaaaagac	ttaagggatg	1860
attagacttg	gcaatctgta	agcaggagta	taaatgtttt	aaattgcatt	gtccctatgt	1920
aactatctta	atggctatat	atatgtattt	tataaagcca	tttatgtata	cacatgtaac	1980
ttggaatttc	cttcatccct	acacattttc	tacacttaca	tcaccttatt	gcataaaaca	2040
aagtcacgcg	ctttctgctt	gaacatcaaa	atatcaaaaa	ccaaggtacc	caaaagatac	2100
aagtcagaga	caacatcctt	gtccatatcc	aaacccagtg	tttcagtgtc	agcaacttaa	2160
tttctcatac	atttatagag	tttggtttgc	tttgctagtt	gtgtgaatca	ttgggctgtt	2220
tttagagcca	ctgttaagag	agaatataaa	ataatcatga	caattactac	tgtttccaca	2280
tttacaaatt	gtgtacttaa	atgaacctca	tttccctttt	atcttctgaat	ggcttgtctg	2340
agaggaaaca	aaattaaaat	tcatctggga	atgtgtgcct	cttgtctagt	atatagtcac	2400
cactaaataa	tggcttccgt	ttttattttc	tttcaggttt	tgctttaaat	tttgttttcc	2460



gatgcccaca	gagaggggacg	ccagtgcggt	tactgcctcc	acttcttctt	tgtcagcccc	1260
tggcactcta	ggcaccacag	agtctggaca	ggaggccagg	cgctgcatgc	agccccagta	1320
tttactgtgc	acccggatca	cgggcctcca	gagagcggat	ggcattgagg	ttgggtttct	1380
gtttccagcc	ttcttctgaa	aggggatcca	ccctgttacc	cagaagagca	gccacacagg	1440
cctcagaggc	gtcacagatg	gctgtgaggt	catggccacc	ctccaaggcc	agcaccactg	1500
cgctcctgc	caggttcac	agttgctgcg	tcatgtatcc	aaaacatttg	gcagaaacat	1560
ggtagccacc	cagtggggcc	gggtgacct	cagcagcatc	aaatccagca	gacaccagga	1620
ctaggtctgg	agagaactct	cgggcgatgg	gcatcacgac	tatcctgaaa	gcagccaggt	1680
actcaggatc	ccccatgggg	gggtccagac	ctccagccca	ggccacattg	acattgaagc	1740
cctcaccgct	gccagcccct	acctcatcca	cagccccact	ccccgggaag	aagttgccgt	1800
cgctcatggcg	atgcagggag	atgtagagca	cactggggtc	ttggtagaag	gtttgctggg	1860
tgccgttgcc	atggtgcacg	tcccagtcta	caatgaggat	cttgcctggc	ttgctctgct	1920
gttgacagctg	ccggcaggcg	atggccactg	agttgaagaa	gcagaagccc	atggctgttg	1980
aatgatctgc	atggtgtcct	gggggccgca	ccacagcgaa	accattcttt	agctcacgag	2040
aagccacttt	gaaggcgagg	tcagtgcac	tgccagcgcc	ccagcgggct	gcattggagg	2100
aatgaagctc	attccagatg	gtgtcagtgt	ccaccccaac	cccaccacag	ggcagcatca	2160
caaacatccg	ctgtgccagg	agccctgcc	gcttcccgtt	gtccagtttg	aggcggtgga	2220
gcgggttggt	gccgtagagg	agcacgtgcc	gctcagagtg	gactgactgc	agctcttcca	2280
gggaggcctt	ccggcctcgg	agacactcac	actggctccg	gagccccgc	tcctgcagcc	2340
gggaccagat	gctctggatg	cggccggcgt	gctccgggtg	cctgctgttg	tcaccgcagg	2400
agcactgggtg	cttcagcatg	accgagtcac	agatcagccc	tgtggtgaag	ggcaggggtcc	2460
tggcaggggt	ctctgagctg	gagaggactc	gggcctggct	ggcaggctct	ggggctgaca	2520
gtgaggcagg	tgcggctggg	gaagactgag	cccgggacag	aggccggtgc	ccaccctggg	2580
ccagagggaag	cagcacagtg	tccccggtgc	tgccccgggg	gagccgcccc	gccagtcgct	2640
gctgttccca	gagcaacacc	tgagggtgct	gctggagagg	agcggggcct	ctggcctcag	2700
gctgcccacg	gcccagctcc	ctgtgctcca	ggccatcgtc	caccacctgg	cccgggtcccc	2760
cgccatctgt	ctccaggtct	tcagccgagg	gtatctgccc	cagccggggc	ttctcactcg	2820
gcttggctga	cctcttgatc	acctggacgt	gagttttgag	ctgctccagg	cggggctgca	2880
tggggcccg	cgggtggggg	gcgggtggac	tggggggcag	gggctctgag	cgagtccggc	2940
tcagtggcca	gtggaggcct	gaccacagaga	gcccgtcggg	ggcattaag	gactgggcaa	3000
agtgggaagg	caaggggcca	agcccgggca	cagtcagcag	cggggcatga	gagcctgagg	3060
gggtccaggag	gagaatgggc	tgcaggcgag	agggcaagg	gccccagcc	tcgggctcca	3120
agccatgggg	caggaagagg	ggagtgtggg	ggctccccag	gattggcccc	cgaggggcca	3180
gagtcggatg	ggctctgagg	tcactgtcag	ccctggcagg	ggcgggcagc	cccagagtga	3240
ttgcgggcag	caaggacact	gtcggcaagg	cgaacggggc	cacagaagtc	tcctgcagcc	3300
gcagccgctg	gcccagagac	gcctccgagc	ccaggatggg	attggggccg	tgctcgctgt	3360
cattggggga	gctgcacact	gatgcgggcg	tgctgctact	acttggggag	gagtctccga	3420
gggtctctgc	gggcccggcg	cggaggctgg	ggggcgact	ctcctttcgg	agcagtggat	3480
tcttccctcc	ctccagggac	ttcttgggct	tatagcgag	cttcagggtg	ggctcagaga	3540
ctgtcttgcg	cagaggggaag	tgtcttgggg	ggctactggg	caggctggga	acaggaggca	3600
aaaagctgct	gagcatggag	cgggtgggct	cttccgtctc	caggggctcc	aggggtctgt	3660
agggaatgcc	ggggctgttg	ggatggactg	ttctttctag	ggccgcctgc	tgttttttca	3720
gaatcacctc	cgctagcttc	tgtttgacca	cgctgctggc	tacagcactt	cgcttgctct	3780
tgtccttggt	gagaagctgc	cgcagctctt	gttcctgggg	agcctcctgc	aactcgggca	3840
tcggcgtgtc	catggagagc	tgtgggcagg	gccggcagcc	cagaaaggga	caaggagttg	3900
aggatgaga	ctggtgtcta	gggatgctga	aggcggggag	gctggggacc	aagctcaagg	3960
tggccccaca	tgcagggagc	tccatcttta	ccctcatggg	ctccaccgag	cgctgctgct	4020
gcaggcctgc	taggaagagg	tgggtgtgca	ggcgctgggg	acgctgcagg	gccagcaatg	4080
tgggctctgg	tgggggctcc	actggggggc	gctggggccc	ccgcagggtc	atgggctgcg	4140
gctgaggggc	tgggtgtgtc	gcacagggcc	tggggcagcc	tagggacaga	gagacggacg	4200
cgtggg						4206

<211> 4968  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <221> misc\_feature  
 <222> (227)...(3666)  
 <223> similar to gi34276 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 6167

ctgacttaga	acaacttttt	tgacttcctg	cagggaggac	ccttacagta	tttttgga	60
agttagtaaa	accgaatctg	acatcatcac	ctagcagttc	atgcagctag	caagtgggtt	120
gttcttaggg	taacagagga	ggaaattggt	cctcgtctga	taagacaaca	gtggagaaag	180
gacgcagtct	gtttcttagg	gacacggctg	acttccagat	atgacatgt	atttgtggct	240
taaactcttg	gcatttggct	ttgcctttct	ggacacagaa	gtatttgtga	cagggcaaag	300
cccaacacct	tccccactg	atgcctacct	taatgcctct	gaaacaacca	ctctgagccc	360
ttctggaagc	gctgtcattt	caaccacac	aatagctact	actccatcta	agccaacatg	420
tgatgaaaaa	tatgcaaaaa	tactgtgga	ttacttatat	aacaaggaaa	ctaaattatt	480
tacagcaaa	ctaaatgtta	atgagaatgt	ggaatgtgga	aacaatactt	gcacaaacaa	540
tgaggtgcat	aaccttacag	aatgtaaaaa	tgcgtctgtt	tccatatctc	ataattcatg	600
tactgtcct	gataagacat	taatattaga	tgtgccacca	ggggttgaaa	aagttccagt	660
tcattgttgt	tcgccaagtt	gaacaaccag	atagtactat	ttgggttaaaa	tggaaaaata	720
ttgaaacctc	tacttgtgat	acacagaata	ttacctacag	atttcagtgt	ggtaatatga	780
tatttgataa	taaagaaatt	aaattagaaa	accttgaacc	cgaacatgag	tataagtgtg	840
actcagaaat	actctataat	agccacaagt	ttactaacgc	aagtaaaatt	attaaaacag	900
atcttgggag	tccaggagag	cctcagatta	ttttttgtag	aagtgaagct	gcacatcaag	960
gagtaattac	ctggaatccc	cctcaaatgat	catttcataa	ttttaccctc	tgttatataa	1020
aagagacaga	aaaagattgc	ctcaatctgg	ataaaaacct	gatcaaatat	gatttgcaaa	1080
attttaaacc	ttatacgaaa	tatgttttat	cattacatgc	ctacatcatt	gcaaaagtgc	1140
aacgtaatgg	aagtgtctga	atgtgtcatt	tcacaactaa	aagtgtcctc	ccaagccagg	1200
tctggaacat	gactgtctcc	atgacatcag	ataatagtat	gcatgtcaag	tgtaggcctc	1260
ccagggaccg	taatggcccc	catgaacgtt	accattttgga	agttgaagct	ggaaatactc	1320
tgggttagaaa	tgagtgcgat	aagaattgag	atttccgtgt	aaaagatctt	caatattcaa	1380
cagactacac	ttttaaggcc	tattttcaca	atggagacta	tcctggagaa	ccctttattt	1440
tacatcattc	aacatcttat	aattctaagg	cactgatagc	atttctggca	tttctgatta	1500
ttgtgacatc	aatagccctg	cttgttgttc	tctacaaaat	ctatgatcta	cataagaaaa	1560
gatcctgcaa	tttagatgaa	cagcaggagc	ttgttgaaa	ggatgatgaa	aaacaactga	1620
tgaatgtgga	gccaatccat	gcagatat	tggttgaaa	ttataagagg	aagattgctg	1680
atgaaggaag	actttttctg	gctgaatttc	agagcatccc	gcgggtgttc	agcaagtttc	1740
ctataaagga	agctcgaaa	ccctttaacc	agaataaaaa	ccgttatgtt	gacattcttc	1800
cttatgatta	taaccgtgtt	gaactctctg	agataaacgg	agatgcaggg	tcaaactaca	1860
taaatgccag	ctatattgat	ggtttcaaa	aaccaggaa	atacattgct	gcacaaggtc	1920
ccagggatga	aactgttgat	gatttctgga	ggatgatttg	ggaacagaaa	gccacagtta	1980
ttgtcatggt	cactcgatgt	gaagaaggaa	acaggaacaa	gtgtgcagaa	tactggccgt	2040
caatggaaga	gggcactcgg	gcttttgag	agtgtgtgtg	taaagatcta	accaagcaca	2100
aaagatgtcc	tagattacat	cattcagaaa	ttgaacattg	taaataaaaa	agaaaaagca	2160
actggaagag	aggtgactca	cattcagttc	accagctggc	cagaccacgg	ggtgcctgag	2220
gatcctcact	tgctcctcaa	actgagaagg	agagtgaatg	ccttcagcaa	tttcttcagt	2280
ggtcccatg	tggtgactg	cagtgtgtgt	gttgggcgca	caggaacctt	tatcggaatt	2340
gatgccatgc	tagaaggcct	ggaagccgag	aacaaagtgg	atgtttatgg	ttatgtgttc	2400
aagctaaggc	gacagagatg	cctgatgggt	caagtagagg	cccagtacat	cttgatccat	2460
caggctttgg	tggaaatacaa	tcagtttgga	gaaacagaag	tgaatttgtc	tgaattacat	2520
ccatatctac	ataacatgaa	gaaaagggat	ccaccagtg	agccgtctcc	actagaggct	2580

gaattccaga	gacttccttc	atataggagc	tggaggacac	agcacattgg	aatcaagaa	2640
gaaaaataaa	agtaaaaaaca	ggaattctaa	tgtcatccca	tatgactata	acagagtgcc	2700
acttaaacad	gagctggaaa	tgagtaaaga	gagtgagcat	gattcagatg	aatcctctga	2760
tgatgacagt	gattcagagg	aaccaagcaa	atacatcaat	gcatctttta	taatgagcta	2820
ctggaaacct	tgaagtgatg	attgctgctc	agggaccact	gaaggagacc	attggtgact	2880
tttggcagat	gatcttccaa	agaaaagtca	aagttattgt	tatgctgaca	gaactgaaac	2940
atggagacca	ggaaatctgt	gctcagtact	ggggagaagg	aaagcaaaca	tatggagata	3000
ttgaagttga	cctgaaagac	acagacaaat	cttcaactta	tacccttcgt	gtctttgaac	3060
tgagacattc	caagaggaaa	gactctcgaa	ctgtgtacca	gtaccaatat	acaaactgga	3120
gtgtggagca	gcttcctgca	gaaccaaggg	aattaatctc	tatgattcag	gtcgtcaaac	3180
aaaaacttcc	ccagaagaat	tctctgaaag	ggaacaagca	tcacaagagt	acacctctac	3240
tcattcactg	cagggatgga	tctcagcaaa	cgggaatatt	ttgtgctttg	ttaaatctct	3300
tagaaagtgc	ggaaacagaa	gaggtagtgg	atatttttca	agtggtaaaa	gctctacgca	3360
aagctaggcc	aggcatgggt	tccacattcg	agcaatatca	attcctatat	gacgtcattg	3420
ccagcaccta	ccctgctcag	aatggacaag	taaaagaaaa	caaccatcaa	gaagataaaa	3480
ttgaatttga	taatgaagtg	gacaaagtaa	agcaggatgc	taattgtgtt	aatccacttg	3540
gtgccccaga	aaagctccct	gaagcaaagg	aacaggctga	aggttctgaa	cccacgagtg	3600
gcaactgagg	gccagaacat	tctgtcaatg	gtcctgcaag	tccagcttta	aatcaagggt	3660
cataggaaaa	gacataaatg	aggaaactcc	aaacctcctg	ttagctgtta	tttctatatt	3720
tgtagaagta	ggaagtgaag	ataggtatac	agtggattaa	ttaaatgcag	cgaaccaata	3780
tttgtagaag	ggttatattt	tactactgtg	gaaaaatatt	taagatagtt	ttgccagaac	3840
agtttgatca	gacgtatgct	tatttttaaaa	ttttatctct	tattcagtaa	aaaacaactt	3900
ctttgtaatc	gttatgtgtg	tatatgtatg	tgtgtatggg	tgtgtgtttg	tgtgagagac	3960
agagaaaagag	agagaattct	ttcaagtga	tctaaaagct	tttgcttttc	ctttgttttt	4020
atgaagaaaa	aatacatatt	atattagaag	tgttaactta	gcttgaagga	tctgttttta	4080
aaaatcataa	actgtgtgca	gactcaataa	aatcatgtac	atctctgaaa	tgacctcaag	4140
atgtcctcct	tgttctactc	atatatatct	atcttatata	gtttactatt	ttacttctag	4200
agatagtaca	taaagggtgt	atgtgtgtgt	atgctactac	aaaaaagttg	ttactaaat	4260
taacattggg	aaatcttata	ttccatata	tagcatttag	tccaatgtct	ttttaagctt	4320
atttaattaa	aaaatttcca	gtgagcttat	catgctgtct	ttacatgggg	ttttcaattt	4380
tgcatgctcg	attattccct	gtacaataat	taaaatttat	tgcttgatac	ttttgacaac	4440
aaattaggtt	ttgtacaatt	gaacttaaat	aaatgtcatt	aaaataaata	aatgcaatat	4500
gtattaatat	tcattgtata	aaaatagaag	aatacaaaaca	tatttggtta	atatttacat	4560
atgaaattta	atatagctat	ttttatggaa	tttttcattg	atatgaaaaa	tatgatattg	4620
catatgcata	gttcccatgt	taaatcccat	tcataacttt	cattaaagca	tttactttga	4680
atcttctcaa	tgcttagaat	gtttttacca	ggaatggatg	tcgctaatac	taataaaatt	4740
caaccattat	ttttttcttg	tttataatac	attgtgttat	atgttcaaat	atgaaatgtg	4800
tatgcaccta	ttgaaatatg	tttaatgcat	ttattaacat	ttgcaggaca	cttttacagg	4860
ccccatttat	ccaatagtct	aataattgtt	taagatctag	aaaaaaaaaa	tcaagaatag	4920
tggtattttt	catgaagtaa	taaaaactcg	ttttggtgaa	aaaaaaaaaa		4968

<210> 6168

<211> 2150

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (515)...(0)

<223> similar to gi527580 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

```

<400> 6168
gggggcccc aaaaaaaaaat tattttttttc catccccggg gaggtaagtt tgatccttta 60
gaacggccgc ccctttttttt tttttttatc aacacattca ctaagatcta atttgtcttt 120
ttctgactta tgctcatggt ttatcttctt ttctttttca aagggtttttc tttccatctt 180
ctcaatgtcc ttttcttttaa tttgagatcg ctctcaggt ttttctttac tttcctttat 240
atgcttttct tgtttttcaa tgtctatttc cttttccact aaatgaagcc ctatagattc 300
ctcaatggca ctcatacca aagaagtaaa ttctgagtct ttatctgtgg gtatgttttc 360
tctctcttct ttttagatctt ttattttttc ctccctaaaa gatttctcgc tttccttttt 420
aatcttgtct cgttcctctt taaagttcct ctcttttgac acatgctttt ccttggttga 480
tttatcatct ttgatgtttt tttccaattt aaaaaagctt ttcagaccg aaggccattt 540
aatacagtaa atcttacttg ggtagtttag caaacatttt ttaaaacca catccaacag 600
attggttagt attagataca cagatttggt ttcaaagctg aaatacccct ggtggaataa 660
atcttctcat gaaattcagt tatattatgc cacaaaacag ggacacttat ctattgacaa 720
cttaaatatt aactcagtgg ggctacctgg gtgatataaa taggggaaaa aaccagtggg 780
tcatgggatt tagggagtga ggaaggacta tggacaccag ccttaccttg gacttgggga 840
cccgaagg atgttaaaaa tctatcctag aatttaaaac aggaaaaatg tccaatattc 900
cactccccat tcggcccaa ccatccccca aggaatacac ccccaacca ccccatatg 960
aggtttacta accagctgct acagatgtta ctatgtcact aattaacaat gatcacagaa 1020
aatgtgtcat accagagttt ttgttatcat acacaatgca ttagtggctg caggaatctt 1080
ccttcaaaag ctaccgtcag aaggcaaact gacaaatgtc catgccgctg gtccaagaaa 1140
ccacagctaa gagccatgag gcattcattt gtacattgag ctctctctgg catgctcccc 1200
actctagtta gaggggctgg ggtatggaga gaccgtccca gccgggctg gcagcctcct 1260
actcctgggc ctcttgctgg gtcaacttgt agatctcagt ggggtccgtcc acatgggtga 1320
tagtgggtgg gagctggagt tcttccccac tatggacacc cagatcgcca ttggactggg 1380
cttctccata gtttttatgg gatggtgcat acaagaacat cagagcaaag acatacagat 1440
tccacatccc atagatgcct gtgaaaaagg cactgttcac ttggactgtg atgccgcccc 1500
atctccaatg gccttccgtt acctgactaa cgatgaagaa gatgacagtc atggcagcgc 1560
aggccaaggt gataagcatg aggaacttga acctaaaaat tagcccctca tagtgtagcc 1620
gccggacttt gctcatagct ggcaggctgg actgcttccc actgatgttc cgaaacacct 1680
gaaataccat gaagcataga aacaggaagt agaggcagag gcagattcca gccacgatga 1740
tgaaggccat ggccagctct gttccaatgt ctgtagtcca gatactgtag aagggttcg 1800
tgagttgtac ccctctctca cacatgtcaa atatgaagag gcagaaggag ccaacggcaa 1860
tgggtccgac ttgtttccaa taccctgcga tgtggttccg ctctgtctga tccatcatgt 1920
gctcgccaca gaagatgatc cagaaggaca gaagcatcgc atagaagatg ccctgtcgga 1980
tgtcaccaaa cagcagcatc caggtccagt caaacccgat ggaaaaccat tccactggga 2040
tattgataaa ggtcatggaa atcccaaggg caaagatgac tttttccaga agcactgggg 2100
gtcgggacat catggtgatc ctctccaat accacaccat aatgatgaag 2150

```

<210> 6169

<211> 1384

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1248)...(630)

<223> similar to gi2338292 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

```

<400> 6169
ttattttcgca gttcattttca ttattatTTTT ttgcattatt tctgctTTTT ttggtctcct 60
ttccgaagggt tttttatttta ggggaacagc tcaactccag ctccctgggt gcaatgcgag 120
cctgcccgcga ccgagcgcgc ttgcaaatat gcccccgcc ctttccctgg gttacgaagt 180
gccctgtac cgcacgggga gtgcacgaag acacgcgtgt gcacaggcgg ggctctgcgt 240
gtgcgtaccc tgtggggcact ggaggggggt gtcagggtcat atctgcccac acacaagatg 300
ggcacagccg gggctggggc ttcttgggggt ccgaatttcc ccgcggcgctc tgcctaccac 360
gggggcggaa ctgaccagtg ccctcacgggt caggagagtg tggggggccc tgagggggcca 420
ggacacggga acacgttgcc gaaaacatgt gtatatccat acgcggcgga aacgcgtgtg 480
ccagggcagg cctcggggcg gatgacccct actcccacca ttccccactc caagtccagc 540
ttcggcgctct atgaggccta gcggcttccg gaatccgcta tgaatcaggg gcacggttcg 600
gagagccggg tctcgaaagc agctcttcag tgaggcctcc tgaggctggt gtaggggggt 660
ggaggtgcgt cgtgtacccc agaggctgcc agcgctgct cataggtggg gaggcctggg 720
ggtgggattg ggactggagg cagggcgctc ggtggggcca gaggggtcaa aggactcaga 780
gggctaata gaagggcctc ttgggggaaca ggtgctgctg cctcggtcgt gtcgccagcg 840
cagataccaa aaaggtcccc caggccggcc caggaacaaa tgagcaggat gccacctgtc 900
agccccacag ccaggctggc cacatccact cgtccacgcc ctccctttgc cattgtagat 960
gtagctctcc caaaagcgct ccgtgagagt gttgtcctca aaatactccc tggcctcttc 1020
ccaggaacac ctctcttcca gacactcccg tctccaggtt cccctggtgt gagcagctcc 1080
caggtcccag tgggtggctc ttggaatccg ggtatggcta ctcaggaagc tctgggcctc 1140
tgggggaccc aggaagactt cttggtctgt ctctcactg ggtgaagtat ccaggcaggt 1200
ggttaatgcc atatatagca gcagcagaga ggggtggccc ctcatatTTT ccagacacct 1260
gccagaaat gtgagcactg ccccttcctc tttaatcgag aactccttgg ccagctacag 1320
ccagggtttcc ggagagagaa agagaagaga ggacttgagc aagccaggcg aggcaacttc 1380
gcaa 1384

```

```

<210> 6170
<211> 2142
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (275)...(1688)
<223> similar to gil653342 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

```

```

<400> 6170
ggggcggtgca gcagagtgcg ttctctgtct gccagccgtt ttggctagcg cgcggcggcc 60
gtggctaagg ctgctacgaa gcgagcttgg gaggagcagc ggcctgcggg gcagaggagc 120
atcccgctcta ccagggtccca agcggcgtgg cccgcgggtc atggccaaag gagaaggcgc 180
cgagagcggc tccgcggcgg ggctgctacc caccagcatc ctccaaagca ctgaacgccc 240
ggcccagggtg aagaaagaac cgaaaaagaa gaaacaacag ttgtctgttt gcaacaagct 300
ttgctatgca cttgggggag cccctacca ggtgacgggc tgtgccctgg gtttcttctc 360
tcagatctac ctattggatg tggctcaggt gggccctttc tctgcctcca tcatcctgtt 420
tgtgggccga gcctgggatg ccatcacaga cccctggtg ggccctctgca tcagcaaatc 480
cccctggacc tgccctgggtc gccttatgcc ctggatcatc ttctccacgc ccctggccgt 540
cattgcctac ttctcatctt ggttcgtgcc cgacttccca caggccaga cctattggta 600
cctgcttttc tattgcctct ttgaaacaat ggtcacgtgt ttccatgttc cctactcggc 660

```



tctcaccatg	ttcatcagca	ccgagcagac	tgagcgggat	tctgccaccg	cctatcggat	720
gactgtggaa	gtgctgggca	cagtgtctggg	cacggcgatc	cagggacaaa	tcgtgggcca	780
agcagacacg	ccttgtttcc	aggacctcaa	tagctctaca	gtagcttcac	aaagtgccaa	840
ccatacacat	ggcaccacct	cacacaggga	aacgcaaaa	gcatacctgc	tggcagcggg	900
ggtcattgtc	tgtatctata	taatctgtgc	tgatcatcctg	atcctgggcg	tgcgggagca	960
gagagaaccc	tatgaagccc	agcagtctga	gccaatcgcc	tacttccggg	gcctacggct	1020
ggtcatgagc	cacggccccat	acatcaaact	tattactggc	ttcctcttca	cctccttggc	1080
tttcatgctg	gtggagggga	actttgtctt	gttttgacc	tacaccttgg	gcttccgcaa	1140
tgaattccag	aatctactcc	tggccatcat	gctctcgcc	actttaacca	ttcccatctg	1200
gcagtgggtc	ttgacccggg	ttggcaagaa	gacagctgta	tatgttggga	tctcatcagc	1260
agtgccatth	ctcatcttgg	tggccctcat	ggagagtaac	ctcatcatta	catatgcggt	1320
agctgtggca	gctggcatca	gtgtggcagc	tgccttctta	ctaccctggt	ccatgtcgcc	1380
tgatgtcatt	gacgacttcc	atctgaagca	gccccacttc	catggaaccg	agcccatctt	1440
cttctccttc	tatgtcttct	tcaccaagtt	tgcctctgga	gtgtcactgg	gcatttctac	1500
cctcagtctg	gactttgcag	ggtaccagac	ccgtggctgc	tcgcagccgg	aacgtgtcaa	1560
gtttacactg	aacatgctcg	tgaccatggc	tcccatagtt	ctcatcctgc	tgggcctgct	1620
gctcttcaaa	atgtacccca	ttgatgagga	gaggcggcgg	cagaataaga	aggccctgca	1680
ggcactgagg	gacgaggcca	gcagctctgg	ctgtctcagaa	acagactcca	cagagctggc	1740
tagcatcctc	tagggcccg	cacgttgccc	gaagccacca	tgcagaaggc	cacagaaggg	1800
atcaggacct	gtctgccggc	ttgctgagca	gctggactgc	aggtgctagg	aagggaactg	1860
aagactcaag	gaggtggccc	aggacacttg	ctgtgtctac	tgtggggccg	gctgtctgtg	1920
ggcctcctgc	ctccctctcg	cctgcctgtg	gggccaagcc	ctggggctgc	cactgtgaat	1980
atgccaaagga	ctgatcgggc	ctagcccggg	acactaatgt	agaaaccttt	tttttacaga	2040
gcctaattaa	taacttaatg	actgtgtaca	tagcaatgtg	tgtgtatgta	tatgtctgtg	2100
agctattaat	gttattaatt	ttcataaaa	ctggaaaagca	aa		2142

<210> 6171

<211> 1509

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(1510)

<223> n = a,t,c or g

<220>

<221> misc\_feature

<222> (1417)...(181)

<223> similar to gi4680667 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 6171

ttttttttcc	gngctggggg	cacgtttatc	ccagccaccg	cctccagggc	ggccgcacag	60
gccctgggca	tcaatccagc	agggtcccg	actcactccc	tgggagacca	gctccccaac	120
cacccggccc	tgatggcatc	ccgctgcggc	caggtgtcct	ctcagccgag	gtccttgtca	180
ctgcctagct	gcgtccgcct	gccacaccag	ctcaccgag	atgtaggtgg	cctggacgtg	240
aagggaggtc	gtcgagcacc	acgaagtctg	cgtcagcacc	aaagtccagg	gtcccttac	300
tcttctccag	ccccagcaac	tgggcggggg	gcagggatgc	agcctccagg	gccgactcca	360
tgctgcagcc	tgtggcctgc	aggatagtgc	cggacacaga	cgtccattgg	ggctatgctg	420



agaagtctca	ggatgtctca	gttcacatca	ccagtaatta	tctcaaacag	atcttaaagt	1140
ctgcctatca	tgttgaaagtc	acgttttcaact	cagggtcgtc	agttacaagg	atgctatggg	1200
agcaaatcaa	acagatcatc	cagcgcacatca	catgggtgag	cccacctgcc	atcactctgg	1260
aatggaagag	gaaggtggcc	caggaagcca	ttgagagcct	cagcgcctcc	aaattggcta	1320
agagcatttg	cagccaattc	cggactcggc	tcaatagttc	ccacgaggct	tttgagcct	1380
ccttgcgga	gctggaagct	ggccactcag	gccggttaga	gaaaacggaa	gatctatggc	1440
tgagggttcg	gaaagatcat	gctccccgcc	tggcccgct	ttctctggaa	agccgttctt	1500
tacaggatgt	cttgcttcat	cgtaaaccta	aactgggaca	ggaactgggc	cggggccagt	1560
atggtgtggt	atacctgtgt	gacaactggg	gaggacactt	cccttgtgcc	ctcaaatcag	1620
ttgtccctcc	agatgagaag	cactggaatg	atctggcttt	ggaatttcac	tatatgaggt	1680
ctctgccgaa	gcatgagcga	ttggtggatc	tccatggttc	agtcattgac	tacaactatg	1740
gtggtggctc	cagcattgct	gtgctcctca	ttatggagcg	gctacaccgg	gatctctaca	1800
cagggctgaa	ggctgggctg	accctggaga	cacgtttgca	gatagcacta	gatgtgggtg	1860
agggaatccg	cttcctgcac	agccagggac	ttgtccatcg	tgatatcaaa	ctgaaaaatg	1920
tgctgctgga	taagcagaac	cgtgccaaaga	tcactgactt	aggattctgc	aagccagagg	1980
ccatgatgtc	aggcagcatt	gtggggacac	caatccatat	ggcccctgaa	cttttcacag	2040
ggaagtacga	taattccgtg	gatgtctacg	cttttggaat	tcttttctgg	tatatctgct	2100
caggctctgt	caagctccct	gaggcatttg	agaggtgtgc	tagcaaagac	catctctgga	2160
acaatgtgcg	gaggggggct	cgcccagaac	gtcttcctgt	gtttgatgag	gagtgtctggc	2220
agttgatgga	agcctgttgg	gatggcgacc	ccttgaagag	gcctctcttg	ggcattgtcc	2280
agcccatgct	ccagggcatc	atgaatcggc	tctgcaagtc	caaattctga	gcagccaaac	2340
agaggactag	atgattctac	ttgaaagcaa	agaccctttc	ctctttcact	ctcctagtta	2400
tttcccttcc	ccctcacctt	ttggcccatg	gggagaattt	gacatttatt	cactatagga	2460
cacaactccc	aagggaactg	gtgcttgctg	ggaaacttgg	aaccttccca	ggcagggatg	2520
actcctggac	agtgaagagt	tgaatgactg	agcatattca	gcagctcact	gaagcgccaa	2580
gctatccctt	tagcaaaaaa	gtgtctcaga	tgtgtaaaag	ctgaggaatg	tggtgttctg	2640
gcttcacaaa	tgaaaaggag	gcagatgtta	ccattgtctt	ttcactgtat	atacttctaa	2700
gacagcaagc	gggacactgc	agtggcaata	gtgttaaaaa	atctcattct	catgattttt	2760
ggctctagct	aggaatagtt	tagtcaggac	tcagaaaatt	tgagcttagt	tctgggatta	2820
tgaaaacatg	gggacaaaaa	caataacttg	tggatgtctg	gttcctgctg	tctgcagcca	2880
ggtatctcag	gttgcaatgg	tcagaagtcc	cagtgaaggga	gctagaaaca	gagctatctg	2940
ttcctcatag	tgccagtgtg	tttacattta	taggaccaca	tatccctggt	ttctggggga	3000
gggttttcaact	gttacatcac	caagaggccc	tgaaaagagg	aaaaaaaaa		3050

<210> 6173

<211> 4927

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (22)...(2520)

<223> similar to gil834495 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 6173

ggtcggcggc	attcggcggc	gatggagcgg	ccctggggag	ctgcggacgg	cctctcgcg	60
tggcccatg	gcctcggcct	cctcctcctc	ctgcagctgc	tgccgcgctc	gaccctcagc	120
caggaccggc	tggacgcgcc	gccgcggccc	gctgcgcgcg	tgccgcgctg	gtctggcccc	180
atcgggggtga	gctgggggct	gcgggcggcc	gcagcgcggt	ggcgcggttc	cccgcggcgg	240

ccgttggcgt	cgcagcgcgc	cgggcgtagg	acgaggagt	cggccgggtc	cgggacttcg	300
tcgccaagct	ggccaacaac	acgcaccagc	atgtgtttga	tgatctcaga	ggctcagtat	360
ccttgtcctg	ggttggagat	agcactgggg	tcattctagt	cttgactacc	ttccatgtac	420
cactggtaat	tatgactttt	ggacagtcca	agctatatcg	aagtgaggat	tatgggaaga	480
actttaagga	tattacagat	ctcatcaata	acacctttat	tcggactgaa	tttggcatgg	540
ctattggtcc	tgagaactct	ggaaagggtg	tgttaacagc	agaggtgtct	ggaggaagtc	600
gtggaggaag	aatcttcaga	tcatcagatt	ttgcgaagaa	ttttgtgcaa	acagatctcc	660
cttttcatcc	tctcactcag	atgatgtata	gccctcaaaa	ttctgattat	cttttagctc	720
tcagcactga	aatggcctg	tgggtgtcca	agaattttgg	gggaaaatgg	gaagaaatcc	780
acaaagcagt	atgtttggcc	aaatggggat	cagacaacac	catcttcttt	acaacctatg	840
caaatggctc	ctgcaaagct	gaccttgggg	ctctggaatt	atggagaact	tcagacttgg	900
gaaaaagctt	caaaactatt	ggtgtgaaaa	tctactcatt	tggcttgggg	ggacgtttcc	960
tttttgctc	tgtgatggct	gataaggata	caacaagaag	gatccacgtt	tcaacagatc	1020
aaggggacac	atggagcatg	gccagctcc	cctccgtggg	acaggaacag	ttctattcta	1080
ttctggcagc	aaatgatgac	atggtattca	tgcattgtaga	tgaacctgga	gacactgggt	1140
ttggcacaa	ctttacctca	gatgatcgag	gcattgtcta	ttccaagtct	ttggaccgac	1200
atctctacac	taccacaggc	ggagagacgg	actttaccaa	cgtgacctcc	ctccgcggcg	1260
tctacataac	aagcgtgctc	tccgaagata	attctatcca	gacatgatc	acttttgacc	1320
aaggaggaag	gtggacgcac	ctgaggaagc	ctgaaaacag	tgaatgtgat	gctacagcaa	1380
aaaacaagaa	tgagtgcagc	cttcataatc	atgcttctca	cagcatctcc	cagaaactga	1440
atgttccaat	ggccccactc	tcagagccga	atgccgtagg	cattgtcatt	gctcatggta	1500
gcgtggggga	tgccatctca	gtgatgggtc	cagatgtgta	catctcagat	gatggggggt	1560
actcctggac	aaagatgctg	gaaggacccc	actattacac	catcctggat	tctggaggca	1620
tcattgtggc	cattgagcac	agcagccgtc	ctatcaatgt	gattaagtcc	tccacagacg	1680
aaggtcaatg	ctggcaaacc	tacacgttca	ccagggaccc	catctatttc	actggcctag	1740
cttcagaacc	tggagctagg	tccatgaata	tcagcatttg	gggcttcaca	gaatctttcc	1800
tgaccagcca	gtgggtctcc	tacaccattg	attttaagaa	tatccttgaa	aggaactgtg	1860
aagagaagga	ctataaccata	tggctggcac	actccacaga	ccctgaagat	tatgaagatg	1920
gctgcatttt	gggctacaaa	gaacagtttc	tgcggctacg	caagtcatcc	gtgtgtcaga	1980
atggtcgaga	ctatgtttgtg	accaagcagc	cctccatctg	cctctgttcc	ctggaggact	2040
ttctctgtga	ttttggctac	taccgtccag	aaaatgactc	caagtgtgtg	gaacagccag	2100
aactgaaggg	ccacgacctg	gagttttgtc	tgtacggaag	agaagaacac	ctaacaacaa	2160
atgggtaccg	gaaaaattcca	ggggacaaa	gccagggtgg	ggtaaatcca	gttcgagaag	2220
taaaagactt	gaaaaagaaa	tgcacaagca	actttttgag	tccggaaaaa	cagaattcca	2280
agtcaaattc	tgttccaatt	atcctggcca	tcgtgggatt	gatgctggtc	acagtcgtag	2340
caggagtgtc	cattgtgaag	aaatatgtct	gtgggggaag	gttccctggg	catctatact	2400
ctgtgctgca	gcagcattgc	agaggcccaa	tgggtgtggat	ggtgtggatg	ctttggacac	2460
agcctcccac	actaataaaa	gtggttatca	tgatgactca	gatgaggacc	tcttggaata	2520
gctcttcaga	ggagctggac	ccagcatgga	tgggtgaacc	acagtacctc	ttacactccc	2580
tgtggctcca	acttcaggaa	ataaatttcc	cattgcgagg	gacccagctc	tgtttctgct	2640
gcttccatca	aagccaaaag	gtcttgctct	aaagaaatgc	aggggtgggg	tggggaaccc	2700
tgagcacttt	tttacaattg	gctctgagaa	aaaggagac	attttaaatt	ctttaacttc	2760
ttattttctg	tcctgtctct	ttgcaaagta	tgggcttgtg	tttttgtttt	ttaagggaaa	2820
cgaaatggaa	ttcgaaggga	ccttttcaat	aaacccactt	ctgtgtgttc	tgcatggtgc	2880
ctgccccagg	gcactctgcca	actccagtat	cagctctcac	agtgtacttg	gtaccataca	2940
tgggctaaac	tggcgagacg	aaacagctgt	agagatgaaa	acaggctgca	gaggctggca	3000
cagctggccg	gctttttctc	atctggggac	agtcctactc	caagaacact	gcacaccagc	3060
tcctcacaca	gatcccactt	acggcgcgca	acgggttcta	ggctgcaggc	agctcgagga	3120
cccgcggccc	gcctccggct	cggctgggca	gatagcagag	gcagcaggcc	gtgccggggg	3180
ggcatgttgc	tgttaaccagt	ggcccagggg	atgttacggg	ggacagtgca	cctggagggc	3240
gggccccgca	gggtgaacca	tgtgcagtg	gctgtcgggc	atcgggtata	ctccttcggg	3300
ggttactgct	ctggtgaaga	ctatgagaca	ctgcgtcaga	tagatgtgca	cattttcaat	3360
gcagtgtcct	tgcgttggac	aaagctgccc	cgggtgaagt	ctgccatccg	tgggcaagct	3420
cctgtggtac	cctacatgcg	ctatggacac	tcaaccgtcc	tcacgcagca	cacagtcctc	3480
ctttggggcg	ggcggaatga	caccgaaggg	gcctgcaatg	tgctctatgc	ctttgacgtc	3540
aatacgacac	agtgggtcac	accccagagt	tcagggacag	ttcctggggc	ccgggatgga	3600
cattcagcct	gtgtcctagg	caagatcatg	tacatttttg	ggggctacga	gcagcaggcg	3660





atattattgat	gaattagatt	ctgttggtgg	gaagagaatt	gaatctccaa	tgcatccata	1380
ttcaaggcag	accataaatc	aacttcttgc	tgaaatggat	ggtttttaaac	ccaatgaagg	1440
agttatcata	ataggagcca	caaacttccc	agaggcatta	gataatgcct	taatacgtcc	1500
tggtcggtttt	gacatgcaag	ttacagttcc	aaggccagat	gtaaaaggtc	gaacagaaat	1560
tttgaaatgg	tatctcaata	aaataaagtt	tgatcaatcc	gttgatccag	aaattatagc	1620
tcgagggtact	gttggtctttt	ccggagcaga	gttgggagaat	cttgtgaacc	aggctgcatt	1680
aaaagcagct	gttgatggaa	aagaaatggt	taccatgaag	gagctggagt	tttccaaaga	1740
caaaattcta	atggggcctg	aaagaagaag	tgtggaaatt	gataacaaaa	acaaaaccat	1800
cacagcatat	catgaatctg	gtcatgccat	tattgcatat	tacacaaaag	atgcaatgcc	1860
tatcaacaaa	gctacaatca	tgccacgggg	gccaacactt	ggacatgtgt	ccctgttacc	1920
tgagaatgac	agatggaatg	aaactagagc	ccagctgctt	gcacaaatgg	atgttagtat	1980
gggaggaaga	gtggcagagg	agcttatatt	tggaaaccgac	catattacaa	caggtgcttc	2040
cagtgatttt	gataatgcca	ctaaaatagc	aaagcggatg	gttaccaaat	ttggaatgag	2100
tgaaaagctt	ggagttatga	cttacagtga	tacagggaaa	ctaagtccag	aaacccaatc	2160
tgccatcgaa	caagaaataa	gaatccttct	aaggggactca	tatgaacgag	caaaacatat	2220
cttgaaaact	catgcaaagg	agcataagaa	tctcgcagaa	gctttattga	cctatgagac	2280
tttggtatgcc	aaagagattc	aaattgttct	tgaggggaaa	aagttggaag	tgagatgata	2340
actctcttga	tatggatgct	tgctggtttt	attgcaagaa	tataagtagc	attgcagtag	2400
tctactttta	caacgctttc	ccctcattct	tgatgtggtg	taattgaagg	gtgtgaaatg	2460
ctttgtcaat	catttgtcac	atztatccag	tttggttat	tctcattatg	acacctattg	2520
caaattagca	tcccatggca	aataatattt	gaaaaaataa	agaactatca	ggattgaaaa	2580
cagctctttt	gaggaatgtc	aattagttat	taagttgaaa	gtaattaatg	attttatggt	2640
tggttactct	actagatttg	ataaaaattg	tgcccttagc	cttctatata	catcagtgga	2700
aacttaagat	gcagtaatta	tgttccagat	tgaccatgaa	taaaatattt	tttaatctaa	2760
atgtagagaa	gttgggatta	aaagcagctc	cggaaacaca	gagccaggaa	tatagccttt	2820
tggtatgggtg	ccatggctca	catctgtaat	cccagcactt	ttggaggctg	aggcgggtgg	2880
attgcttgag	gccaggagtt	cgagaccagc	ctggccaacg	tggtgaaaca	ctgtctctac	2940
taaaatacaa	aaaaataggg	ctgggcgcgg	ttgctcacgc	ctgtaatccc	agcacttttc	3000
agaggccaag	gcgggcaaat	cacctgaggt	caagagtttg	agaccagcct	ggccaacatg	3060
gtgaaacccc	atctctacta	aacatgcaaa	aattacctgg	gcatggtggc	agggtgcttat	3120
aatcccagct	actctggggg	ccaaggcagg	agaattgctt	gagcctggga	gatggagggtt	3180
gcagtgaact	gagatcatgc	cactgcactc	cagcctgggc	aacagagcaa	gactctgcct	3240
caaaaaaaaa	ttaaaataaa	tttaaataca	aaaaaaaaata	gccaggtgtg	gggtgcatgc	3300
ctggaatccc	agctacttga	gaggctgagg	cacgagaatt	gcttgaaccc	aggaggtgga	3360
ggttgcagta	agccaagatc	acaggagcca	ctgcactcca	gcctgggtga	cagagtgaga	3420
ctctgtctca	aaaaaaaaatt	aaataaatta	ttataacctt	tcagaaatgc	tgggggcatt	3480
ttcatgttct	tttttttagc	attactgtca	ctctccctaa	tgaaatgtac	ttcaaagaag	3540
cagtattttg	ttaaataaat	acataacctc	attctgaata	atgtccctca	ttttgactat	3600
aactgtgctt	ggtttcaaaa	gcaaaaattaa	acaaaaatct	cagtcccctc	cgaagtgaac	3660
tttgtgttac	cctgcgtcag	aaatgccaa	ttgtgtttac	ttttcattca	gattttgtga	3720
atatgaacat	gctgttatag	gatctacaga	tgaatattta	actcaataga	aaaattattt	3780
tagaacacat	tgtattggta	ttacaaccag	attatatctt	tgacgttgac	ttcattaaaa	3840
ttatctacaa	tttcctaata	atttaagctg	tatatggtct	tcattgaaaa	aagatagata	3900
ttgttacagg	aagcttggtt	catttatattc	ttgacctttt	ggttgataat	cttaaatctt	3960
aatgtaattt	caaactggca	gaaatgttgc	cagcataata			4000

<210> 6176

<211> 2218

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(2219)  
<223> n = a,t,c or g

<220>  
<221> misc\_feature  
<222> (2174)...(432)  
<223> similar to gi6013001 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 6176

tttttttttt	ttccacggaa	acagccgttt	ttattccaca	aacagtaaac	tccatccact	60
acacagtgc	atacactgtg	tagcacaccc	catcaccttg	gccagtgtg	ccagccgacc	120
tttctgtggt	gatggaaatc	tttttctgtg	ctgtccaata	cagcagccac	cgaccacttt	180
tgcttattga	gcacctcaat	atagaggtgg	ccactacagg	tgaggaaatg	aatttctaag	240
tttaattcaaa	ttcaaatgcc	acatttggct	cgtggctcct	gtactggaca	acacagctgt	300
aggccctgac	ctgggtccagg	gcactttggt	tcaaaagcca	actctgagga	gagcaagtgg	360
cagaaacagc	ccttgggctc	ccctccccag	agagaaacgg	cagctgcagc	tgctggaaag	420
ggcaagaatc	agagtggggg	gacacctcgg	gcgcgcggga	taaggttggc	cagccgcttg	480
gccaggccac	ctgtgcgggg	ctcctcgatg	tgggaaggttc	gggtgaggag	attgtagaag	540
gagccgtagc	acacggccac	cacagtgcac	gtgaggcaga	tcacgttgta	gggcatgctg	600
aagtccggtg	tgggcagggt	caccagcagc	ggctccgtgt	agagccgcac	aaagtagtta	660
gagccatcag	agactgggaa	caggctgttg	aagaggggac	tctcttccca	gtccactggc	720
ttggctgcta	ccatgctggg	cacaagggcg	ctgaggacag	atgggctgac	atagaagcca	780
tggttaggat	ctggcgtgta	ctcgggtccac	ttcagcagcg	cccgtcaaaa	ctggatggaa	840
accttgggtga	ctgagttggc	cggcagctga	atcagcatct	ccaggaggtg	gggttgagc	900
cggctcctggg	caggctggta	gtggatgtaa	cttgggttgt	tctccttgcc	cttggaggtg	960
atgggtgagg	tgtgcacata	cagccgcaga	taccagggtg	cgggtgtccag	cagcagcacc	1020
gggaaggccc	ggtatgggtg	ggtgttgtac	agcagtgtgc	tcagctcccc	cttctgcagc	1080
ccatagccac	tcacgtaccg	ctgggcatgc	aggaagggca	ctgggggggc	ctcattctct	1140
gggggtctct	tccacttgag	ctggatgttg	aggtttcgag	agttgttgat	catggcggtg	1200
tcaagcaagt	catagatggc	ataggtcttc	cgagtgccta	ggatgacgtc	ctgatatgta	1260
gtgggtcggg	gtgggtgcac	ctctaattgtc	tcggtgtcct	ggggacacaa	aggcagggct	1320
ggttgtaggt	ggtgatgtcc	acatagactc	ggctctctga	agccaggggg	cagggtcccg	1380
tgagggttcg	ggagaacatc	cggaagaggg	accagtcttt	ctttccctgc	cccgtgatga	1440
aggcatcaaa	tacaactgac	agggtctgcc	tcagctccca	ggagatgcta	gtacagcgtg	1500
catttctgca	aacagggcgg	atatgcaactg	cctgggagtg	gtagctgggtg	tggacaagc	1560
gatctgcctt	cagcagcaca	gagaggcctg	ccttgggaact	acagggcaag	agcttcttcc	1620
agggggtgag	gttttcggtg	cagaccacct	cccgcggcag	cacagcatag	cgcagaaagt	1680
agtgtcagtc	gtcattggcc	agaccagggt	gtttgaagga	ggcagtggga	gtgactgtgt	1740
tggtggagtc	gatgaagttg	agagaggcgc	agaagatccc	tgagaggaca	ttactgagct	1800
ccttccaaga	tttatccaca	tcagtgcacg	tgtcttgga	ccagacccac	agctctgcac	1860
ctgatggggc	ctgcagggaag	ggtggccccc	agtatcgggt	cctccaaaag	ccttgtgtga	1920
atgacagggtg	cagctcccgt	agagaatact	tggagatcag	ctgccccagg	gctttgggaa	1980
agagcctgta	atgggacact	ccttcccgtc	gaagctccga	atcccagcgc	gtgcggaact	2040
ggaatgtggc	ggctacgtcc	ccggaaggca	gcggggtgat	gacaagttcc	tcccgcaggc	2100
tgtcgcgtgg	gggttctgca	aggcaccagc	cgcggggccc	caggagcaac	aggacgagca	2160
gagcaagcgg	catagccgcc	cccatgcccg	nacgcgtggg	cggacgcgtg	ggtcgacc	2218

<210> 6177  
<211> 2199



<212> DNA  
 <213> Homo sapiens  
 <220>  
 <221> misc\_feature  
 <222> (2179)...(1220)  
 <223> similar to gi5917714 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 6177

tttttttttt	ttttcattaa	ttaatatatt	ttctgcatta	tagttaacca	tatgtacttt	60
cttcggtgtc	accttatttt	ccgttaagta	ttgatatttt	gttatattca	aacatgagta	120
catttcaaca	gtcttttgca	ataaatacca	taaaataata	gagattcgca	taataaatat	180
tctttacaat	aaaaaagttt	aacagacttt	tgtcttaaaa	atagtcagaa	ttcaactttg	240
tgattttatac	ataaaatata	caaaaagcac	cacaatttgt	ggttaaggca	aggaaaacac	300
agaagagatt	agaattactc	agctgttaac	tatccaaggg	gccaaaagga	ccattaagga	360
gccaaagatca	ctttaggcag	catagtctctg	tgacacatat	agattgatca	gctataaata	420
tcaacttgag	ttatccaagt	gccctcaatg	acaacaaaaa	tttggtgaga	agcatggggt	480
gaagaaggaa	ggtggctgag	tccttcacaa	atacgaaggc	tagagtgaag	atgggcaagg	540
tccaaccaat	attatctcca	atgtgaagat	ttacattgta	aggcgaatct	aaaattacat	600
agaaagaaaa	aatacacttg	gcatctccag	agtaagacaa	caacaaaact	gagggggaaa	660
gaaccttgaa	ggagaaaagaa	ggagagggca	gtgggttaaag	gaaaattttt	acgttatagc	720
aaaaaatata	tcccccatgc	tacttaaggg	gcctatgcta	ggaagatagc	cctaactgga	780
gacagattta	atacatagct	tatttaagca	attaaacagt	tgctttttta	aaaaccaatt	840
tccttgctcc	cacggtaccc	aatcaaaaaca	actctaaatc	actgtagtct	ggatgtgggt	900
gtatgttcat	gtacacaact	ttagaaagtt	gcttgacagaa	caaaaaggct	acacaaaagc	960
ccactggctc	tcaataccct	caagtggatg	gcagaggctc	ttgttgaaag	tgggagccag	1020
gtgcagcttc	ccagtcacct	cttgctgaag	atcatccatg	aggaaaagaga	aaaatccatg	1080
agttagacct	tggcaacagg	ggaagagaag	gtgggaaaca	gggaaaaatt	ctaaagaaaa	1140
caaaaaacaaa	aacaaaaaca	aaaaacagcc	acaacttgaa	agctagaagt	tcaggaggta	1200
caaccacact	ccaaaaatca	tgatggttta	ccctgacccc	gggaggggca	gctctccagc	1260
ttacaataga	cagtgttgga	gttcttacat	ctgcaccctg	ggcgatggat	ccagtcataa	1320
cacctcctgc	acagcttcag	gcctccttta	gcaggaggat	aacagagtaa	gcaaggtaaa	1380
aataaagaca	tggtcccat	acacaggtat	ctagagcagc	agtgtgattg	tgaacaggag	1440
caaggattat	ctgaatagga	atcccccttcg	tcgtcattgg	agcagtggta	gaagatgccc	1500
ttgacctaa	cacatgcagg	ttccatattc	caccatgctc	tcagcagagc	aaaggcactg	1560
ccggttacag	gccaaacagg	atggtagggg	cctgggagca	gtgcattctc	cacacttgca	1620
cttcccacac	tgttcacaaa	tgaacttggtg	ctgtgtcagg	tcctctttca	aggaaccctt	1680
caagtcatec	acaatcagtt	gcttgggctg	ggtccggatt	gccctttcag	acctatgacc	1740
agggactggt	ctggttggtg	gtgaccttcc	taacagtcct	tgttcagaag	aggcactgct	1800
gttgctccca	gagctggctg	cacttccagt	gctggttgat	ctgctcaaaa	tggggcccct	1860
ggcattactt	gggagtactg	catgtccag	gtggcttggtg	tgtctgtgct	cgtagtattt	1920
attcacatta	attggtatga	tttcatgagt	cctttcatgc	ttttcttgct	ttggtgctgt	1980
ccgaggagca	ggtcttttca	ccaccgaagg	cccttctgtg	tattcattgc	tgccctttat	2040
ggccttgatc	tggtctaagg	acaaaatagc	agtaggctga	atctctctct	catagtctaa	2100
tctcgacgg	ctatccaaag	aaggctgctg	gataacaact	aacgaactgc	cactgccatg	2160
ttgattttgg	ggatccatgt	gtagtgatct	cgagttctg			2199

<210> 6178  
 <211> 2565

<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(2566)  
<223> n = a,t,c or g

<220>  
<221> misc\_feature  
<222> (1527)...(793)  
<223> similar to gi5262359 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 6178

gtaaaaataa	ttgttttatt	tttattgaca	tgactgattg	attgattgct	attctgtgca	60
cttaattaaa	ctgattgtga	tgacttttca	tttgtttaca	tacgttgctt	cagtcttctc	120
aggtgaaagt	agtgagaaaa	ccgtgaaaga	ggggggaaac	atztatccat	tatatgctgt	180
ttcactggaa	gtgttaccag	cagtccacag	aactaatgtg	tccccacaga	cttctcaatc	240
ctctccacac	cgaagtgcaa	aaccacagca	gggaagatgt	gcagggagat	gtggagcaaa	300
acacagccaa	tttgccctca	cctcaacatg	cttttgaatg	caatatacca	ctgttttacg	360
acctaaggat	ctacacacct	taaaaacctt	aaagtaaaat	aaaggaatag	tgtcaacatg	420
ccattttatt	tttgtcatct	tgaactaaaa	gtacagctgc	aagcaagctt	gctataggac	480
aagcttcagc	ttgggaaaca	tcaactatct	gcactcagga	cttacctatt	tccagaggaa	540
tatcgatgga	aggtcaggtt	aatacttaat	ttcaggttgt	ttgctacttt	taaataaatg	600
cagtgtctag	ttataataaa	gagtcaaaca	atgctttaca	ttgtatatat	gttcatagat	660
ttcatccaat	ataaaataaa	gacagtcctt	ttaaacaaaa	gatagggaag	aggtaaagt	720
gacacttttt	ccgcttacaa	aaagtaaatg	cttataataa	attttaattc	aaccatttag	780
gggggtcagc	tgcagtgaac	cttttatttc	ttcaaaatgc	tgcttctgcc	aacagaattt	840
catgttctct	tctttacaga	tagatagata	ggaactcctt	caattgtaat	tctgtttgcc	900
ctagagtagg	cacaaaattc	agtgcaacca	tggcatagtg	ttcttctggc	cagttcccac	960
atctccattt	catgatgata	ttcttatttg	ttaactcctt	tacagtgaag	atgctatata	1020
gctgctctac	agttgtgtca	aacagttcca	tcatgtgaag	agccacagtg	ggaatcctta	1080
cacccagtg	cactggagat	gaggcctgaa	cctgcagggt	attcccaact	agttttcttt	1140
tgacagtcaa	ttcctgggtt	gccatagctt	togttggtaa	aatcattccc	gttgtaaatt	1200
ctcagtgtca	tctacttcat	tttcttcaga	aagattgggt	atttcaatca	atcccttggt	1260
cttcaactca	gattctttta	cgatgccttt	ccagcccagt	ttgatgttcc	actcatagaa	1320
gaaaatcagc	tttcccttgc	ggctgctgca	cgaagcctcc	ccttccacct	gcttcaactc	1380
gttgatctcg	ccgcggccag	cgctcattct	cacaacgatg	cccaccagga	gctcctggaa	1440
cttccctttg	gacaagctgg	tggcatcccg	ctctgtcctg	ccagggacca	gaaagtctgt	1500
aatggaagcc	ccagctggga	tccacctgcc	tgggtgccag	ggtcacgtcc	aagcccagcc	1560
cagatcggcc	caagtcctct	caagcagcct	cgaaacctgc	caacctccaa	tgtgtctctc	1620
aaacctgctt	tctatcaaat	tcttttctac	ctgctcagtt	ctttaagata	ttattgtcca	1680
ctatgcaagt	agtattctgt	cttaaaaaaca	ctggcttatt	taagggagga	ggatctagct	1740
agctcgccca	ctggaaatag	gcaaagccta	ggccacaggg	aaagtagcag	tagtgaacta	1800
atcagaatca	tgacaatacc	agctatcaag	tgtcttcgca	tatacatcgt	ctaattgtaat	1860
cttcccaggt	aatattctca	cttttagggga	cagaaacgag	ctgagagaaa	tgacatgtcc	1920
atcgggccaa	ggctaggaca	ctagaaagtc	agatctagct	cacgcctgta	atcccagcac	1980
tttagtaggc	ccaggcgggc	ggatcacgag	atctggagtt	cgagagcagc	ctgaccaaca	2040
tggtgaaacc	ctgtctctac	taaaaaatata	aacatcagac	ggacgtagt	gcacgcatct	2100
gtagtccag	ctactcatga	ggctgaagca	ggagactcgc	ttgaactctg	gaagctgagg	2160
ttgcagcgag	ccaagattgc	ccatgccctc	agagctcctc	cggaccagcc	aagtcattgct	2220
cctctgggga	ccggcctcag	catcccctcg	acggcctgga	gggaccacag	ccccggccag	2280
aggcgaggg	cagaggacat	cccttccgga	ggttctgcgg	cggagggctg	ccgacctctc	2340

cccacgcgcc	aggtgaggcg	cgtaaaggaa	ggggagcttg	tctcactcac	agagggcccg	2400
gctcgcggga	ggcgctgcg	gggtggggcg	gaactgagat	ccaaatttct	gccctttcca	2460
ctacgttcca	tacccccgcc	cctaacacag	tctctcaatc	cagctccctt	ctaactcncc	2520
gaaacatcca	gaggggaatt	ccncggcnct	cgaatgtggt	tcgat		2565

<210> 6179

<211> 1530

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (91)...(1320)

<223> similar to gil90994 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 6179

accccatgca	tggagtgtat	aaaaggggaa	gggctaaggg	agccacagaa	cctcagtgga	60
tctcagagag	agccccagac	tgagggaagc	atggatggat	ggagaaggat	gcctcgctgg	120
ggactgctgc	tgtctgtctg	gggtcctctg	acctttggtc	tcccgacaga	caccaccacc	180
tttaaacgga	tcttcctcaa	gagaatgcc	tcaatccgag	aaagcctgaa	ggaacgaggt	240
gtggacatgg	ccaggcttgg	tcccgagtgg	agccaacca	tgaagaggct	gacacttggc	300
aacaccacct	cctccgtgat	cctcaccaac	tacatggaca	cccagtacta	tggcgagatt	360
ggcatcggca	ccccaccca	gaccttcaa	gtcgtctttg	acactggttc	gtccaatggt	420
tgggtgccct	cctccaagtg	cagccgtctc	tacactgctt	gtgtgtatca	caagctcttc	480
gatgcttcgg	attcctccag	ctacaagcac	aatggaacag	aactcaccct	ccgctattca	540
acagggacag	tcagtggctt	tctcagccag	gacatcatca	ccgtgggtgg	aatcacggtg	600
acacagatgt	ttggagaggt	cacggagatg	ccgccttac	ccttcattgt	ggccgagttt	660
gatgggggtg	tgggcatggg	cttcattgaa	caggccattg	gcagggtcac	ccctatcttc	720
gacaacatca	tctcccaagg	ggtgctaaaa	gaggacgtct	tctctttcta	ctacaacaga	780
gattccgaga	attcccaatc	gctgggagga	cagattgtgc	tgggagggcag	cgacccccag	840
cattacgaag	ggaatttcca	ctatatcaac	ctcatcaaga	ctgggtgtctg	gcagattcaa	900
atgaaggggg	tgtctgtggg	gtcatccacc	ttgctctgtg	aagacggctg	cctggcattg	960
gtagacaccg	gtgcatccta	catctcaggt	tctaccagct	ccatagagaa	gctcatggag	1020
gccttgggag	ccaaggagaa	gaggctgttt	gattatgtcg	tgaagtgtaa	cgagggccct	1080
acacttcccc	cgacttttct	tttcctcttg	ggaggcaaag	atacaccgct	caccagcgcg	1140
gactatttat	ttcaggaatc	ctacagtagt	aaaaagctgt	ccacactggc	aatccacgcc	1200
atgtatatcc	cgccacccac	tggacccacg	cttggccctg	ggggccacct	ttcatccgaa	1260
agttttacac	agagtttgat	cggggtaaca	acccgcatgg	cttcgccttg	gcccgtgag	1320
gccctttgcc	accgcaggga	aggccctgcc	ttcagccctg	gcccagagtt	ggaacctct	1380
ttgaaatgcc	cctctgcctg	ggcttatgcc	ctcaaattgga	gacattggat	gtggagctcc	1440
tgctggatgg	gggcccgcac	ccttgcccca	gcccttccct	gctttgagga	caaagagaat	1500
aaagacttca	tgttcccaaa	aaaaaaaaaa				1530

<210> 6180

<211> 1818

<212> DNA  
 <213> Homo sapiens  
 <220>  
 <221> misc\_feature  
 <222> (1767)...(194)  
 <223> similar to gi52757 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 6180

tttttttttt	ttactggggc	ttctgcaatt	tcaaatacagc	actttgcagg	gagacaacgg	60
ggtttttgaa	tagtatcacc	tggtatgaaa	agttttccca	agaaaccaca	aacgattggt	120
cattttttct	ccttttttgt	taactttttg	ccacactcaa	gtcagtttaa	gtcctagcaa	180
aaagacggta	gttaggatac	cactgtggct	gtagatgatg	tgacactggg	tgaatttggt	240
ctggcggttg	tgtaaacttc	cctcgctggt	tgtgtttgat	tccgtagggg	ggcacccctgg	300
cttgaattgg	gctcgaagga	ttgctcctgc	tggcactgca	atgtggcccg	cggccctggg	360
ttctgggtgt	taggtaaagg	taaggctggt	ggaataaatg	attccatcat	ttcggacca	420
agttactgga	acctggactg	gttgccggac	ccatctccaa	ccttctcgga	atgcagaaat	480
gtctggggac	acacagagca	tactctctcc	acacctgtac	atagtttcag	cttctacatc	540
cccaaaccac	actcgtaaat	ttggagtga	attctgtcct	gtaagttcaa	gcattgctac	600
gtccccaccg	ccattcaact	gaaggctctc	taccacaggc	acaggagtga	ctggggcaag	660
gacagggccc	attccctcat	aaaatgtata	ctctgcctta	tctgtgctaa	tgattgtcca	720
ggaagcgcca	tcatctatca	tctctctcac	tagggtgctat	tggacatgga	gtggcctgaa	780
attgaattat	tctttcttga	gaaaggcaca	aatacattct	ttctgtatcc	ttaaggtaaa	840
atgcacattt	atggagtgtg	gacacaggat	catctgcata	caataatgag	gtatgcttat	900
caactttcat	aattatcaat	cttgggagtg	ccatgccagt	aactgagcac	acaagtttgc	960
atgtttgtcc	ataatggatg	tagacatctc	ggactgtgaa	ttcttctcct	tctgattcat	1020
catcatccaa	gagatgaata	aaaaaggctc	cccactgctg	tgaactggca	tgaaaattac	1080
ctccttctac	atgcaagtat	ctgggtactaa	ctgtctggga	togtagtcga	ttaaacagag	1140
ccacctttgt	tcctgaggca	atgcataagt	cagcattttt	caatgactgc	ttctttttgg	1200
aaggtttgga	gatgactttt	atccgcttgc	tgaggaacac	accaatgtca	tcactgttgc	1260
catagaacat	ctttacagac	aacatgaagt	gctttcgctt	gtctgagtca	gatataataca	1320
atgttttggc	tgtgcaatag	ttctttcctt	ccaagtttag	ctgctgcatt	tcttgggtcac	1380
tatttcttat	cccaataaat	gcacacgggt	gagactcttg	ttcagaacaa	ccatcgcggt	1440
ccatttggtc	tttttttttc	ttccatccgc	tgcccataag	atatacacia	ggaggtgggc	1500
aaaaaaacct	tttttcattt	ccatatgact	tctgtgcaac	ttttgcatga	agaataagta	1560
ctgtttgatc	ccctcgctct	tttaaataat	ttcgcatagc	ttccctagta	agtcgttttag	1620
gtggaggccg	ctcaccaa	ttcccaggcg	atggagcatg	cgcaggcggc	tcctccgcgg	1680
gcgagccctc	cgtgtggtcc	atggggagcg	ctccggttat	ccgggtttta	ggacgcgctt	1740
tgagggacgt	acgtggagac	tgcagccccc	catctttccc	ctcctttgct	ctttcctttc	1800
ctagagattc	ccacgaaa					1818

<210> 6181  
 <211> 1768  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1703)...(752)

<223> similar to gi469885 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 6181

tttttttttt	ttgctaaatt	caatatattat	ctgaaagtta	aagaaaagca	aacaaacata	60
tacaaaggac	atttcatatt	taatcactca	aaaatgaaaa	aggtttggac	aatgtcaaat	120
tccactcacc	ataatgctat	agttatacat	taaatataat	tactatctat	acatatgcaa	180
aaatataaag	ttctattttca	tacaataaaa	cccttttatag	aaaccatttt	aaaattaagc	240
agaactttct	aacattaata	tgtgaggtga	ggtctaagtc	cttctaaagg	tttctttaaa	300
ggttttttaa	caaaatgcta	aacctaaaaa	cattgtcctg	tcagttccca	aattaaatct	360
acttagaaca	aaaacaaaaa	tttatagctc	ggtcacatac	tacttaaata	atattgttca	420
ggcatctcta	aaatcctcca	tgttttcaag	tatggaaata	gaactcaaat	attccacaat	480
acagtactaa	acagatggag	tatttaggaa	agactttggt	gtcatatggc	acaatattaa	540
tattttgttg	cttcaatacg	ttttgaaata	aatatcagat	ttttgttttt	ttttcctaaa	600
agaccaaatt	tataatctac	attaagataa	ttctgactgt	ggttaagact	taagagtgtg	660
aaatacaaca	tcaatatatt	atcacaaaag	taaagctggg	aacaaattat	aaaaggagcc	720
agtactctac	tgagacaggc	tcggagatta	aagctcatca	tgatagaaat	agtcacatg	780
gagctgtctg	ccataatctg	tggcttcact	ggtgagaaac	aagtccgggt	tttccagaat	840
ctcttcttca	gagagctttt	tgtcaccatt	caaatccatt	tcatcaatta	gatgaagcgc	900
ctcctgcttg	tgcaatgccc	tgattattag	gtactacca	aggtaacagc	tcttggggat	960
caagcctgcc	atcgttatct	ttgtcataat	cattcacgaa	tctgtctttc	tcaacaagta	1020
tccattctgg	atcttcattt	gcagttggat	cccacctgta	atcaccaaga	aattcttcca	1080
aactaaca	tccatcacca	tttttgtcat	gttcttctaa	agcttcttga	atgacaaatt	1140
ccgtcatata	atcaacttct	tcaggatgct	caaaagcaat	aaattcttca	agactcaaac	1200
cgggacctga	atcctgggtt	gctttttcaa	atcgcttctt	gtcctttaag	tgaagcttcc	1260
taaaggactc	ctcttctgca	tcacccagag	cagtgttctc	atcaaagtca	atcacacgat	1320
catacatctg	aatgtttat	tcacccaag	tcacagtatc	atcactgttt	ttatcatatt	1380
caacaaactg	ttgttttgct	tcttgcatag	cataatgctt	aaaagacatc	tgaatccatg	1440
aactgagttc	actttcagtg	agaaagccat	ctgagtccaa	gtcgattttc	tttatgatcg	1500
cctgcagtct	tttttgctgc	tcttcgtggc	cgagtttaac	atattcatcc	acatcttcct	1560
ggacgcccag	cagcgccctg	cggtcgtagt	cgctgcggcg	ctcgcccagc	gggtagtgca	1620
gctcctcggc	cttgccggcg	ccggccgcgg	cggcgcacag	cagcagcagc	cccaacgccg	1680
cggtcctcgg	gcccagccgc	atcgcgcggg	cccgcggagg	acaccgaggg	acgcgaggag	1740
ggaggctggc	gggggcccgg	gcggctgc				1768

<210> 6182

<211> 2772

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (2418)...(118)

<223> similar to gi4589141 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 6182

ttagttagtg	aaaatatata	tttgccacca	gaattcactg	ggaccccaga	gccagcagat	60
gtggttgga	agatcctctg	ctctgtcctc	tggcctcctg	ctgcatctgg	gccatcagtt	120
ggactggagg	agctggacgg	gcacatagtt	ttcctcagag	gcaccatcct	catcctcctt	180
gggaggggaa	gccaggacag	ggttctcgag	agtctgaggg	acacctgccc	ctggacgggt	240
cctcacacag	cgtaggcacg	cgtctgtctc	catgaagccc	agttcacctc	ctccaccctg	300
aagcaccagc	gctcatcggg	gctgccatct	ggcttagtgc	caacggtcag	catcacacct	360
gcccgtgct	tcttcctgca	ccaccaatag	ccattctcca	tctccaggac	agagatggct	420
ttctgcagct	tccagatgct	ccagctgtca	gtggcgacac	tgttgacggg	ctcgctcatg	480
agggcgatga	gcatgttgag	cagcaggatg	taggtgagca	gcacgtaggc	cagcagcagc	540
agcagcacca	tgccgcggaa	gtgcagctgc	tcctggaagg	ccagctcgcc	catgccgatg	600
gtgaatttga	agagctccaa	ggaggcttcc	aggatacccc	tgtactgggc	cccgttgccc	660
tcgtcctcct	gtccctccat	gggctgcact	gactctgtgg	cattggggcc	tgtaggagct	720
tcggggcgcc	aagcctcctg	gctcaggctc	accagggcta	cagcgaagcc	gaaaagggaag	780
actaagttaga	tcagaaggaa	gcgcagcagg	tcccgcagga	tgaccttctg	gatcatgaca	840
ctgtagatgc	ctgtgtgctg	gaagccacgt	gtatagtata	gcagggttcag	ccagcccagc	900
accagcgag	acacaagcag	gggcagggtac	cactcgatgg	ccaggaaaca	cagcacctgg	960
gacaccactg	tgagcagggc	ctggaacagg	aagaggattt	caaagtagct	gtctatgaac	1020
gagatccaga	tgaacacgtg	gcgcccagc	aagtaccaca	gctggcccac	gaggaggtag	1080
atcccccccta	gcaggataag	gatgtggccc	gtcagcagca	tggagtctcc	aacctccgct	1140
ttcaggtgag	gggcccctg	cttcttcagg	gtaggctgat	ggtaggcaac	agcgggtgaag	1200
atgaacatgt	agatcagatt	acacaggaag	tttaagaaga	acttggggat	gagcagatcc	1260
catttcgcct	gcagcagttt	gttcaggggc	tccaaaacga	ccattcggtg	tcggtgcggg	1320
ctcttgcaat	gaaaggcaat	gatctccagc	actgagttct	cctcacagct	gtccacagaa	1380
gccagggtcat	acagcgacac	ccggacaggc	ccatagcacc	actcggtgaa	cttccgggaa	1440
aggtggctca	gtcctgaaaa	ctcccgtgct	aggatgtgcc	tgaaaatctc	gatcttgccc	1500
tccttggcgg	ccagcttcag	aggcgtgaga	tcctgcagg	tgcggatgtc	ctcaagctgc	1560
acggtagggc	agaggcgggc	cccagcttgg	aggagcccat	catacatgct	ggtcaccagt	1620
gcaatgttct	cagctgagtt	gtccgagatc	atcactagg	catgcaggac	tgtgttgccc	1680
tgggagtcag	tggcctgcag	gctggcgggc	tgggtgtggg	tctccaggag	gtagcttacc	1740
acatcccact	gcttgggtga	agcggccaaa	gagaggggta	gtcaccgaa	ataaaagcaa	1800
gtcccttggc	ccttctggaa	gaagcggccg	caggcccggg	catgcacatt	ggccccattc	1860
tccaccagga	gcttcacaca	ctgcagactc	cgtgttgtca	atggcgatgt	gcagagcgct	1920
gtggcctcgg	taatagtcat	ctgtgcaact	ggcatttacc	aggggctgag	gattgccaga	1980
gtcccgatcg	atctgcagca	gtggcagaa	gcaggcattc	gactccgtcc	ttaaggttca	2040
gcacagcctt	catcaggcac	gtcttacctg	tggagccctc	tgtgtattcc	gagtcgggtga	2100
ggtacttgct	ggtcttgctc	aggtactctg	gaagtccagc	cagatcctcg	gggacacccc	2160
gggagaccgc	attgaagagc	cgatctcggt	caaatcggtt	tggatccggc	tgactggcac	2220
ctgttccctt	tcggtagttg	aggttgactc	ttatctgagg	ggcgaatttc	cggctcctcg	2280
cctggaactg	tgactccatg	ggaggcagcc	cgctcccaaa	atccagcttt	cctctgtccg	2340
cctcagagcc	atcttcttgg	cctccatcta	atgtctccaa	cctgaaaact	ggagagctgg	2400
agggtagaggt	catcctagga	ggaggaggct	gctcgggtcca	gccaggacct	ctgtgcagat	2460
ggagatgtca	aggttcctgt	cttccctcca	gctgcgcgtc	ggtgttgggc	tgactggagc	2520
cccgcaggct	gaggccaggg	cgtggcggct	gctgggatcc	cggagcttct	cagtagcagg	2580
ggctgcggga	ggaagtgaag	ccgggagggg	ctgccggcgc	tgacagcaga	ggagcggcgg	2640
aacctccctc	cccagctctg	agcactaagc	tccagcaagc	aggttctggt	ctctcagtca	2700
ccctcagccc	acctggccag	ccggcacggg	ggagagcggg	agcttaactc	tcccctgtca	2760
ggacaggcta	gc					2772

<210> 6183  
 <211> 4477  
 <212> DNA  
 <213> Homo sapiens

```

<220>
<221> misc_feature
<222> (1)...(4478)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (37)...(2739)
<223> similar to gill136436 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

<400> 6183

```

aggcaccggg gnnaaattcc cgggtcgacg atttcgtacg cgcggcgccg ctcggtgcag      60
accatgaatt acgtggggca gttagccggc caggtgtttg tcaccgtgaa ggagctctac      120
aaggggctga atcccgccac actctcaggg tgcatgaca tcattgtcat ccgccagccc      180
aatggaaacc tccaatgctc ccctttccac gtccgctttg ggaagatggg ggtcctgcgc      240
tcccgagaga aagtgggtga catagaaatc aatggggaat ctgtggattt gcatatgaaa      300
ttgggagata atggagaagc attttttggt caagaaacag ataatgatca ggaagttatc      360
cctatgcacc tggccacctc ccccatcctg tcagaaggag cttcgagaat ggaatgccag      420
ctgaaaaggg gctctgtgga caggatgaga ggcctggacc ccagcacgcc agccaagtg      480
atcgctccca gcgagacgcc gtcaagcagc tctgtagtaa agaagagaag aaaaaggagg      540
agaaagtac agctggacag cctgaagaga gatgacaaca tgaacacatc tgaggatgag      600
gacatgttcc ccatcgagat gagctcggat gaggccatgg agctgctgga gagcagcaga      660
actcttccta atgatatacc tccattccaa gatgatattc ctgaggaaaa cctctccctg      720
gctgtgattt accctcagtc agcctcatat cctaattcgg atagagagtg gtcacccact      780
cccagtcctt ccggttcccg accttcaaca cctaaaagtg attcagaatt ggtcagcaag      840
tccacggaaa ggacagggca gaagaaccca gaaatgcttt ggctgtgggg agagctgccg      900
caggctgcta agtcttcttc tccacacaag atgaaagagt ccagcccatt gagcagtaga      960
aaaatttgtg ataaaagtca ctttcaggcc attcacagcg aatcttcaga cacttttagt     1020
gaccaatcgc caactctggt cgggtggggca cttttggacc agaacaagcc tcagacagaa     1080
atgcagtttg tgaatgaaga agacctggag accttaggag cagcagcgcc actcttgccc     1140
atgatcgagg agctcaaac cccctctgcc agtgtagtcc agacagcaaa caagacggat     1200
tctccttcca ggaaaagaga taaacgaagc cgacatcttg gtgctgacgg cgtctacttg     1260
gatgacctca cagacatgga tcctgaagtg gcggccctgt attttcccaa aaacggagat     1320
ccttccggac tcgcaaaaca tgcaagcgac aacggagccc ggtcagccaa ccagtccccg     1380
cagtcggtgg gcagctcggg cgtggacagt ggcgtggaga gcacctcgga cgggctgagg     1440
gacctccctt ccatcgccat ctccctctgc gggggcctca gcgaccaccg ggagatcacg     1500
aaagatgcat tcctggagca agctgtgtca tatcaacagt ttgtggacaa ccccgtattt     1560
atcgatgacc ccaatctcgt ggtaaagatt gggagtaaatt attataactg gacaacagca     1620
gcacccctcc tcctgggcaa tgcaggcctt ccagaaacct ttgccaaagg ccactgtgga     1680
atctatcatg agggataaaa tgcccaaaaa gggaggaaga tgggtggtttt catggagggg     1740
aagaaacacc acaatcaagg aggaaagtaa gccagagcag tgcttggttg gcaaggccca     1800
tagcaccgga gagcaaccgc cgcagctcag cttggccacc agggtaaagc atgaatcatc     1860
ctccagtgat gaggagcgcg cagctgccaa gccatcaaac gcagggcacc tccctcttct     1920
gcctaattgt agctacaaga agactctccg gctgacttcc gagcagctta aaagcttgaa     1980
gttgaagaat ggccccaacg acgtggtttt caagtgtcac cacgcagtac caaggcacgt     2040
gccgctgttg agggcaccat ctatctgtgg aactgggatg ataaaagtca tcatttctga     2100
tattgatggg acaattacca gatcagatac tcttggccac attttgccca cccttgggaa     2160
ggattggacc catcagggca tcgctaagct gtaccataaa gtgagccaga atggatataa     2220
atttctctac tgttctgccc gtgccatcgg gatggcggac atgacgcggg gctacctgca     2280
ctgggtcaac gagaggggca cgggtgctgcc ccaggggccc ctgctgctga gtcccagcag     2340
cctcttctct gccctgcaca gagaagtgat tgaaaagaag ccagaaaagt ttaaagtcca     2400
gtgtttgaca gacatcaaaa acctgttttt ccccaacaca gaaccctttt atgctgcttt     2460
tggaaccgga ccagctgatg tgtattcata caagcaagta ggagtgtctt tgaatagaat     2520

```

```

atttaccgtc aaccctaaag gagagctggt acaggaacat gcaaagacca acatctcttc 2580
gtatgtgaga ctctgtgaag tagtcgacca cgttttcccg ttgctgaaaa gaagccattc 2640
ttcagacttt ccctgttcgg ataccttcag taacttcacc ttttggagag agccactgcc 2700
accttttgaa aaccaggaca ttcatctctgc ctacgcgtaa aatgtcccaa gcagcctctt 2760
gccagcagtg cagagcctgg ttgtcaccca ttaaaggata ggtctccccg gagtgcacag 2820
ctccacctgg gagcctggcg cgtcatcatt ggcctgacag cagagagaat tgagaagcat 2880
ttctcccctg cccacccccg gggctgacat ttctaagcaa gataggaagg gagcactttc 2940
taggctagga gttgggtgca tttgtaccgt gaaaagcatt cctcagttgt ggcttaatgc 3000
cagttacgac gctgcctttc cggcctgctc cagcaagtag ctactggttc acgtgcagtt 3060
tggggctgtg aaacctaggc agaaggcggc tgtctgaggg ctgtccccgc ctaggacagg 3120
gtcaatcgag gaatgccaga tgtgcacggt ttttggcaaa gtagggggca catttccatt 3180
atagcaatgt tagtgccacc accttctgaa cacagtgggg agggctgtga aggctcatgt 3240
gacctggatc tgaggtctcc ttagtagaat ctggacgcca ccgggtccag gcctggcctc 3300
agacttggcc ttgtggatgg gccccttaca gtatttgctg actagtctca tttttaggtg 3360
ataagttttt cctttaattc ctttggttaa aggatagtct atttcattgg catatctccc 3420
cccaagtttt tgtggctcaa ggctggaata tttatgcctt aatatatcta tggcagacat 3480
ttaagaatgc gctttatcta gctcatggta acttttgcaa cgccttagat taaaatgaca 3540
gtaaatatta ctaaggcagt attttgaatg agtttgacac tgccggcttc cttccatcca 3600
gcgaggtggt gctgacagtg tggacttgag cacacttatg ctaaagata atgatactga 3660
cttctgttgg gagctctcca aagaaactgg ttggttttaa gaaaatagtt tcaagaagtt 3720
caactatatt cttttagata ttatgtattg ttttactctg attaggttac tgtgataggc 3780
atttattcat attctttcta taccactgtc attaatatat taaaaagatg tatgtgttag 3840
actatcgaaa gggccttatt ctctctttct catagactga ccttcttttg gaatttctga 3900
gtcattttatt ttccttagct ttttccactc aaattaaggg caagcgaaaa agtaataatt 3960
tggcattctt taagcctaca gaatgtgatt ctttcacttg tttattacac tggctcgtgg 4020
acagaacaat ttgaaaagtg aaagaattat ttttgtaaaa gatttttgctt tacttttcca 4080
agcattatct ttttaaagag tgttttactc caacgattga aacattttcc tatttaaatt 4140
tcattgttag aatcacagga ggcaaaaaat ggaacggttg aatgaaattt tactctttct 4200
gtgaaagaaa atccacagag ttgttgccct cgttgtagtt ggtgggcccc gtttagcattg 4260
gatgcctttg ccaaattggt catgtggaca cacaaaggca aacagatctg ccacgatcg 4320
cagatttctg tagaaacacg gatgtgcacg tgcagattcc cttttgcagg tattaaaaat 4380
aattaaaaat agtcctgcct gaggttgcat tgagccgagc ttgcactact gcactccagc 4440
ctgggtgaca gagtaagact ccatgtcaaa aaaaaaa 4477

```

```

<210> 6184
<211> 3060
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (288)...(2635)
<223> similar to gil924940 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

```

```

<400> 6184
tttcgtggaa ttacgcccga gtggagagtg tggaccgtga gtgtgggtat cagggagggc 60
tggatggagg cctgtgggtg ggtgaactgc gtcctcctag ctacgcccc aggaagctga 120
aagcccacga ggaaaaaatg tgggtgtcac tgggcaagat ggggataata ggaggcccat 180
gcaggaggca caagagccca accaactgtc ccatttttgc cctgaccttt gccctggtag 240

```



tctctggcctt	tcccgcctac	ctgctgggca	ttgacagcgg	gcgactgcag	gagaagctga	300
ccagccgcaa	gatggacagc	cgctggggcg	ggcgacgcga	gtccatcaat	gtgacctca	360
acgtggagca	ggcagcctac	accgctgatg	ccctggccaa	ggggctctat	gccgcctct	420
tcgacttctt	cgtggaggcc	atcaaccgtg	ctatgcagaa	aacccccag	gaagagtaca	480
gcatcggtgt	gctggacatt	tacggcttcg	agatcttcca	gaaaaatggc	ttcgagcagt	540
tttgcataca	cttcgtgcaa	tgagaagctg	cagcaaatct	ttatcgaaact	tacctgaag	600
gccgagcagg	aggagtatgt	gcagggaaggc	atccgctgga	ctccaatcca	gtacttcaac	660
aacaaggctg	tctgtgacct	catcgaaaac	aagctgagcc	ccccaggcat	catgagcgtc	720
ttggacgacg	tgtgcgccac	catgcacgcc	acgggcgggg	gagcagacca	gacactgctg	780
cagaagctgc	aggcggctgt	ggggacccac	gagcatttca	acagctggag	cgccggcttc	840
gtcatccacc	actacgctgg	caaggtctcc	tacgacgtca	gcggtctctg	cgagaggaac	900
cgagacgttc	tcttctccga	cctcatagag	ctgatgcagt	ccagtgacca	ggccttctct	960
cggatgctct	tccccgagaa	gctggatgga	gacaagaagg	ggcgccccag	caccgccggc	1020
tccaagatca	agaaacaagc	caacgacctg	gtggccacac	tgatgaggtg	cacacccac	1080
tacatccgct	gcatcaaacc	caacgagacc	aagaggcccc	gagactggga	ggagaacaga	1140
gtcaagcacc	aggtggaata	cctgggcctg	aaggagaaca	tcagggtgcg	cagagccggc	1200
ttcgectacc	gccgccagtt	cgccaaattc	ctgcagaggt	atgccattct	gacccccgag	1260
acgtggccgc	ggtggcgtgg	ggacgaacgc	cagggcgtcc	agcacctgct	tcgggcggtc	1320
aacatggagc	ccgaccagta	ccagatgggg	agcaccaagg	tctttgtcaa	gaaccagag	1380
tcgcttttcc	tcttgagga	ggtgcgagag	cgaaagttcg	atggctttgc	ccgaaccatc	1440
cagaaggcct	ggcggcgcca	cgtggctgtc	cggaagtacg	aggagatgcg	ggaggaagct	1500
tccaacatcc	tgctgaacaa	gaaggagcgg	aggcgcaaca	gcatcaactc	gaacttcgtc	1560
ggggactacc	tggggctgga	ggagcggccc	gagctgcgtc	agttccttgg	caagagggag	1620
cgggtggact	tcgccgattc	ggtcaccaag	tacgaccgcc	gcttcaaggc	catcaagcgg	1680
gacttgatcc	tgacgcccac	gtgtgtgtat	gtgattgggc	gagagaaagt	gaagaaggga	1740
cctgagaagg	gccaggtgtg	tgaagtcttg	aagaagaaag	tggacatcca	ggctctgcgg	1800
ggagtctccc	tcagcacgcg	acaggacgac	ttcttcaccc	tccaagagga	tgccgccgac	1860
agcttctctg	agagcgtctt	caagaccgag	tttgtcagcc	ttctgtgcaa	gcgcttcgag	1920
gaggcgacgc	ggaggcccct	gcccctcacc	ttcagcgaca	cactacagtt	tcgggtgaag	1980
aaggagggct	ggggcggtgg	cggcacccgc	agcgtcacct	tctcccgcg	cttcggcgac	2040
ttggcagtg	tcaaggttgg	cggtcggacc	ctcacggtca	gcgtgggcga	tgggctgcc	2100
agaactcca	agcctacgcg	gaagggaatg	gccaaaggaa	aacctcgag	gtcgtcccaa	2160
gcccctaccc	gggcggcccc	tgcgcccccc	agaggcatgg	atcgcaatgg	ggtgcccccc	2220
tctgccagag	ggggccccct	gcccctggag	atcatgtctg	gagggggcac	ccacaggcct	2280
ccccggggcc	ctccgtccac	atccctggga	gccagcagac	gaccccgggc	acgtccgccc	2340
tcagagcaca	acacagaatt	cctcaacgtg	cctgaccagg	gcatggccgg	catgcagagg	2400
aagcgcagcg	tggggcaacg	gccagtgcct	ggtgtgggcc	gacccaagcc	ccagcctcgg	2460
acacatggtc	ccaggtgccg	ggccctatac	cagtacgtgg	gccaagatgt	ggacgagctg	2520
agcttcaacg	tgaacgaggt	cattgagatc	ctcatggaag	atccctcggg	ctggtggaag	2580
ggccggcttc	acggccagga	gggccttttc	ccaggaaaact	acgtggagaa	gatctgagct	2640
gggccttggg	atactgcctt	ctcttttcgc	cgctatctg	cctgccggcc	tgggtggggag	2700
ccaggccctg	ccaatgcagag	ccctggttac	ctgggtgcga	atagcctaa	agtcagctcc	2760
tttgccctcc	agtcctgccc	aggccctggg	tcaccaggtc	actgtgcag	ccccgcctcc	2820
tgggccttgg	tcttcctcca	acatcacacc	tgtgcccat	tctccatttc	tgtgtgtgtc	2880
aaaggggact	aacagcagaa	tctacctccc	aactgccatg	tgattaagaa	atgggtcttg	2940
agtcctgtgc	tgttggaaca	gttcaggcca	cagttgggga	ggggggggtc	cttaacaagc	3000
gtgactttgc	tcattctgtc	atcactaagg	caataaacct	ttgccaggtg	aaaaaaaaaa	3060

4761

<220>  
 <221> misc\_feature  
 <222> (245)...(1723)  
 <223> similar to gi2708630 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 6185

ccgagctccg	ggcgggcggc	ggctgctgca	gcgggacccg	ggagcggggc	ccggcgccgc	60
ccgggcccgc	gggcgatgtg	agccccaggt	gtatcccaga	gggatccggg	tgactttctct	120
gcagactggt	tgccatgaca	gcccaccaag	gacgggggga	ataaagtggg	aacccttccc	180
catgcccctc	ccacggtcag	ctccccgatg	gcctgggtga	gggcaggctg	gctgctctga	240
caccatgggg	agctgctgca	gctgcctgaa	cagagacagc	gttccagaca	accaccccac	300
caagttcaag	gtgacaaatg	tggatgatga	gggggtggag	ctgggctctg	gggtgatgga	360
gctgacgcag	agtgagctgg	tgtgcacct	gcatcggcgt	gaggccgtcc	gctggcctta	420
tctctgcttg	cggcgctatg	gctacgactc	caacctcttc	tcctttgaga	gtggccgccg	480
atgtcagaca	ggccaggga	tatttgcatt	taagtgttcc	cgggctgagg	aaatcttcaa	540
cctccttcag	gatctgatgc	actgcaacag	catcaatgtg	atggaagagc	ctgtcatcat	600
cacccgcaat	agccaccccg	ctgagcttga	cctccctcga	gccccccagc	cacccaatgc	660
tctaggctac	actgtctcca	gcttttccaa	tggctgccct	ggagagggcc	cacgattctc	720
agctccccgg	cggctctcga	caagcagcct	gcggcacccc	tcgcttgggg	aagagtccac	780
ccatgccctc	attgctcctg	atgagcagtc	ccacacctat	gtcaacacac	cggccagtga	840
agatgaccac	cgcaggggcc	gccactgcct	gcagccccctg	cctgaggggtc	aggcacccctt	900
cctcccgcag	gcccggggac	ctgaccaacg	ggacccacag	gtgttcttgc	agccaggcca	960
ggtgaagttt	gtgttggggc	cgacccctgc	tcggcggcac	atggtgaagt	gccagggcct	1020
ctgtcccagc	ctgcatgacc	ccccacacca	caataataac	aatgaggccc	cttctgagtg	1080
tccagcccag	cccaagtga	cctacgagaa	cgtcaccggg	gggctgtggc	gaggggctgg	1140
ctggagactg	agcccagagg	agccgggctg	gaatggcctt	gcccaccgcc	gggccgccct	1200
gctgcactat	gagaacctgc	ccccactgcc	ccctgtgtgg	gaaagccaag	cccagcagct	1260
gggaggggag	gctggggatg	atggggactc	gagggatggg	ctcacaccct	cttccaatgg	1320
cttccctgat	ggtgaggagg	acgagacccc	actgcagaag	cccaccagca	cccggggccg	1380
catccgcagc	cacggcagct	ttcctgtgcc	actgacccgc	cgccgcggct	ccccaaagggt	1440
cttcaacttt	gatttccgcc	ggccggggcc	cgagccccca	aggcagctta	actacatcca	1500
ggatgaagct	aaagggtctg	ggtggagacc	gccctaaggg	gccccgagaa	cccctcgagc	1560
ccccaaagccc	ccatgcccac	cacccacccct	gcccgaagct	cagactccta	cgcctgatt	1620
gacctcaaaa	agaccgtggc	catgtccaac	ctgcagagag	ctctgccccg	agacgatggc	1680
accgccagga	aaacccggca	caacagcacc	gacctgcctc	tgtagggact	tcccggtcct	1740
caccacccctc	tgccccacca	tgatccagcc	tctgcctcac	actcctgtcc	tctgaaccca	1800
ccctccccag	ggttcagggt	tgttttgca	aaggcatgga	ggtgggacca	gatgcttccc	1860
tgtgctggct	ggagtcccca	gagatatcag	ccaccgagtc	tcctgggtctg	tctccaggct	1920
gggaagagaa	gggtgaccag	gcgaggaggg	agccgagacg	tcaactgtga	agggttcctg	1980
tgattgcgtt	tagcgccctc	ccgttctgtc	catttgtctt	gtctgccgac	tgtccgtgtg	2040
tgtttttttt	ggttggaatt	ttgaaacatt	ttgtacctgt	tgattttatt	tatcagttta	2100
tttttctatt	tattgtttta	aatgtaattt	aacatattta	ttattaatat	aattattttt	2160
aaattttgaa	aaaaa					2175

<210> 6186  
 <211> 3201  
 <212> DNA  
 <213> Homo sapiens

```

<220>
<221> misc_feature
<222> (1)...(3202)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (3073)...(426)
<223> similar to gi4868008 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 6186
tttttttttt ttgggcgcag agggcggttta ttggacctgt ccttcccagc cgctgcttgt      60
ccagggttcag cgctctccgc ggggtgaggca aggaaaccga ggagacgccc gagccgggtc      120
accacaaggt ccgcctggac ccccgccgt cacggacggt cctctggatg cagatgggtcc      180
agggatctgg gggctcctggg agagtgggtg gtggactgcg ggcccagctg gacaaaggca      240
ggggcttcct cagaagctct gctggtcacg caggcgctccg gcccaaggcc ttcaacagcc      300
ctgcaggggcg ggctgagggtt aaccgcgccg aggagagtcc agggcgagcg gtggctcttg      360
cagcagccgg gctcaggggc agctgagggg tagctgagga gtagctgagg ggcagctggg      420
ctcaggggta gctgaggggc acccgccacc agagcccacc gcacaggcag ttcttgatcc      480
agcgctgctc ccactgcttc accgcctggg ttctgttggg cgacttgagc atggtgacac      540
agccgcacct ggtgcaggcc ttgcatctct ccgtggggca agcgccaagg tgcagcctcc      600
gcaggtggtc gatcttgggc tggcctgggg ccctggcgag gccgtcgagc tgcagggttg      660
cagcactgcc aggcagcggt ggcgcccggc caaactgcag acgaaggggc tgcttgggct      720
gcaggcggtt aaccaggccg tcgctggctg gcagccagtc caggctgggg ataagcagct      780
ggctgggcag caggcagcat tcatccacca gcgcctcgtc cggctcgctc gctgggccct      840
catcgcgaca gcagatccag agcttgggtg gcaggcggaa gagcagggac atgctgtcct      900
gggtatccga ggtggccgta tacacgggca ggcagctggg cttcagaagg cccagatgc      960
ggatgaccac catcaattcc cgaagcatgc ccagcgaggt gccgtcccgc aggaagctgt     1020
ggcccggcct cagcagggaa ccagcagagg cttcatggag aggagggctc cgagggtggg     1080
gagggtccg aggtggggga gggctccgag gtggggcagg gctccgaggt ggggcagggc     1140
tggttgggta ggctggccag caggtacagc acgaagtgc ccacccactg caagagctgc     1200
tgcagcgctt gcagtgtgtt catgtccagc acaaattcct ccgtcttgag gttgatcatg     1260
accttgtcaa tgtcgacgtc ggtgatcttg gtgcagatct cggtcagccg gtcgcccggg     1320
ctcttgtcag gcgtgttgag aaagtggggg cgcagcagcg acttcagggt ggagctgatg     1380
gcgatgagga agagcttggg gtggtagtcg cacacgcggg tcaccgtgca gggcgacagc     1440
ttgcagagcg aggccttcat ggccaggatc cgggtggaga ggacctgctg cagggcagcg     1500
gtctggcgcg tgtactcctc gtgcagcttc tccaccaggc tctgtaccat actgggctgc     1560
acgtgcagca ggatgtccca ccagtcgtag ccggtcacca tgcagtactc cagcaggaag     1620
agcagggtgc gcagcgccag cccacacctc agcgggtggc ccatggaagg tgagaggcgg     1680
agccacgctc agcttcccgt ggctgtcaat cccaccaggg gccagtgacg tccacgatag     1740
ctgcatagcc ttttaagtga cggcgggggc cgcggtgctg gggcgcttca tggccggctc     1800
atccacaggc ctcggggccc cggagctgta gaagaccgcc atggtctgca gtgagagccg     1860
gtgcacgatg tggacgctgc cgtcgtggaa ggccaggggc agcccagggc cagggtagaa     1920
ctgtgtgtcg ctggccacct tgaggtcggg gttggtgagc gagatgggca gcttgggcag     1980
cgcccacggc cgacacacgg tccagatcgt agatctgctg gaagatgttg ttcacgggga     2040
ttgtgggctg tttgtcgcca accacggggg agatctgctg gaagatgttg ttcacgggga     2100
gtccctcctt gcgcagggac cagcactcca cgatgctgct ggtctggctg gacgcgcaca     2160
aaagcacctg ctccgacatg tcccgggcca ggaacttgag gtgggtgatg gcggggaact     2220
tgtccttgcg gttgaggtcg gtggtgcagc gcatgaacag ggagggcagg atatccgtgt     2280
cgatacggca cttctcgctc accacgtca cgcacacctt gtagaactgc acgggcgtac     2340
gcgctgctgc cgtccgccgt ggccaccacg atgttgccgc cgccggtgaa ggcgatgtcg     2400
gccagggcca cgcgggcgcg cagccggcac aggtcatcg gtggacgtcg agcacctgcc     2460
cgctggcggt ncagcaggga cacggtgacc aggcgctga ccgtcaccgc gatccagccc     2520

```



<210> 6188  
 <211> 2358  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <221> misc\_feature  
 <222> (140)...(1585)  
 <223> similar to gi3378168 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 6188

tggaacgagac	cccgagggggg	aagcggcggc	tgattcaggg	tcgcgcctcc	gttggaact	60
tggtctgaat	accgcggcgg	gcgcgagcga	ggcgcctag	acatcttctc	cctcccttgc	120
ctcagattta	ttgctaaaca	tggtgcat	tttgataaa	cccaaaactg	aaaaacataa	180
tgctcatggt	gctgggaatg	gtttacgtta	tgccctgagc	agcatgcaag	gatggagagt	240
ggaaatggaa	gatgcacaca	cagctgttgt	aggtattcct	cacggcttgg	aagactggtc	300
atTTTTtgca	gtttatgatg	gtcatgctgg	atcccgagt	gcaaattact	gctcaacaca	360
tttattagaa	cacatcacta	ctaacgaaga	ctttagggca	gctggaaaat	caggatctgc	420
tcttgagctt	tcagtggaaa	atgttaagaa	tggtatcaga	acctgggatt	tttgaaaatt	480
gatgaatata	tgcgtaacct	tttcagacct	cagaaaccgg	gatggacaag	gagttgggtc	540
aactgccagt	tggaagtatt	gatttcacct	aagcatatct	actttatcaa	ctgtggtgat	600
tcacgtgctg	ttctgtatag	gaatggacaa	gtctgctttt	ctaccagga	tcacaaacct	660
tgcaatccaa	gggaaaagga	gcgaatccaa	aatgcaggag	gcagcgtgat	gatacaacgc	720
gttaatgggt	cattagcagt	atctcgtgct	ctgggggact	atgattacaa	gtgtgttgat	780
ggcaagggcc	caacagaaca	actgttttct	ccagagcctg	aggtttatga	aattttaaga	840
gcagaagagg	atgaatttat	catcttggct	tgtgatggga	tctgggatgt	tatgagtaat	900
gaggagctct	gtgaatatgt	taaactctagg	cttgaggat	ctgatgacct	ggaaaatgtg	960
tgcaattggg	tagtggacac	ttgtttacac	aagggaagtc	gagataacat	gagtattgta	1020
ctagtttgct	tttcaaagtc	tccaaggtc	tcagatgaag	cggtgaaaaa	agattcagag	1080
ttggataagc	acttggaaac	acgggttgaa	gagattatgg	agaagtctgg	cagggaagga	1140
atgcctgac	ttgcccattg	catgcgcac	ttgtctgcag	aaaatatccc	aaatttgcct	1200
cctgggggag	gtcttctgctg	caagcgtaat	gttattgaag	ctgtttatag	tagactgaat	1260
ccacatagag	aaagtgatgg	ggcctccgat	gaagcagagg	aaagtggatc	acagggaaaa	1320
ttggtggaag	ctctcaggca	aatgagaatt	aatcataggg	gaaactaccg	acaacttctg	1380
gaggagatgc	tgactagtta	caggctagct	aaagtagagg	gagaagaaag	ccctgctgaa	1440
ccagctgcc	cagctacttc	ttcgaacagt	gatgctggaa	accagtgac	aatgcaggaa	1500
agccatactg	aatcagaaaag	tggtcttgc	gaattagaca	gctctaata	agatgcaggg	1560
acaaagatga	gtggtgaaaa	aatatgactt	tccttttttg	taatattttt	gtgatctttg	1620
atggttttta	acctaggaag	tgtaatgtat	gcatttatat	aactgttttg	ttatttgaat	1680
cttggaanaa	tagttttatt	atattcagat	agccttggtt	tttaaaaagg	cctttgcata	1740
cacctttatg	agatagtgt	aaattgacta	tttatagtag	tatggattta	atgaaattat	1800
atgtcatttc	acattgtatg	ccagaaatta	ggctaccaat	tatgaattaa	agtcagtagt	1860
taaatataa	ctagatagaa	ttagaaattt	tgattagaga	gattatgcta	tattatggaa	1920
aaacttggt	atgtagaatt	atactgcttc	atattatttt	acctattagt	acactcatag	1980
ttagcttgg	aaataaattt	aggttttctt	taataatttt	agttcttcaa	agaatgggct	2040
gatgctggcc	tgtaattttt	ctttccaagg	atgataattt	gtgtgttgtt	tgatttgttt	2100
atattttaca	tctctgtagg	ttttattttt	agaagttgtg	agatatattg	gatgtgtggg	2160
ctatttttcc	tttctctgta	ttctttatga	aaccataact	ttttgaaaaa	cctatgtatt	2220
attcatacag	ctttgggttt	gtatattctg	tataggccta	acttacacac	atccaaaatg	2280
tatgtcaacc	aagtgtttag	aatgaaatta	taagtgttta	agtccaaata	aagcatgtga	2340
tgtggaataa	aaaaaaaa					2358

<210> 6189  
 <211> 3622  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <221> misc\_feature  
 <222> (318)...(2733)  
 <223> similar to gi38032 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 6189

tccaggtctc	gacttcactg	ctctgtgtcc	tctgctccag	gaggcccagc	ctgtgtggcc	60
ctgtgacctg	caggtattgg	agagccacag	ctaagatgcc	aggaaccctt	gcaagcctag	120
aaatgagcct	tctctgcatg	atggcttctt	atatgccatg	cagaattctc	accatgaatt	180
tgtgatctgc	aatatataaa	atgttctctt	tgtggctggt	gaacatggaa	aggtgtggat	240
aatctatttc	tatggagaaa	acctgggatt	cttagtgaag	atggagaaca	tataatgttg	300
agggaccatt	gacatttatg	gatgtggcca	tagaattctg	tctggaggag	tggcaatgcc	360
tggacactgc	acagcagaat	ttatatagga	atgtgatgtt	agagaactac	agaaacctgg	420
tcttcctggg	tatattgctg	tctctaagcc	agacctgac	acctgtctgg	agcaagaaaa	480
agagccttgg	gagcctatga	ggagacatga	aatggtagcc	aaacccccag	ttatgtgttc	540
tcattttacc	caagactttt	ggccagagca	gcatataaaa	gaccccttcc	aaaaagcgac	600
actgagaaga	tataaaaact	gtgaacataa	aaatgtacat	ttaaaaaaag	accataaaag	660
tgtggatgag	tgtgaaggtg	acagaggagg	ttataatgga	tttaaccaat	gtttgccagc	720
taccagagc	aaaatatatt	tatttgataa	atgtgtgaaa	gcctttcata	aattttcaaa	780
ttcaaacaga	cataagataa	gccatactga	aaaaaaactt	ttcaaatgca	aagaatgtgg	840
caaatcgttt	tgcattgctt	cccatctagc	tcaacataaa	ataattcata	ccagagtga	900
tttctgcaaa	tgtgaaaaat	gtggaaaagc	ttttaactgc	ccttcaatca	tactaaaca	960
taagagaatt	aatactggag	agaaacccta	cacatgtgaa	gaatgtggca	aagtcttta	1020
ttggtcctca	cgccttacta	cacataaaaa	aaattatact	agatacaaac	tctacaaatg	1080
tgaagaatgt	ggcaaagctt	ttaacaagtc	ctcaatcctt	actaccata	agataattcg	1140
cactggagag	aaattctaca	aatgtaaaga	atgtgccaaa	gcttttaacc	aatcctcaaa	1200
ccttactgaa	cataagaaaa	ttcatcctgg	agagaaacct	tacaaatgtg	aagaatgtgg	1260
caaagccttt	aactggccct	caactcttac	taaacataag	agaattcata	ctggagagaa	1320
accctacaca	tgtgaagaat	gtggcaaagc	ttttaaccag	ttctcaaacc	ttactacaca	1380
taagagaatc	catactgcag	gagaaattct	ataaatgtac	agaatgtggt	gaagctttta	1440
gccggtccct	caaacccttac	taaacataag	gaaattcata	ctgaaaagaa	accctacaaa	1500
tgtgaagaat	gtggcaaagc	ttttaagtgg	tcctcaaagc	ttactgaaca	taagttaact	1560
catactggag	agaaacccta	caaattgtga	aaatgtggaa	aagccttta	ctgcccttca	1620
atcatcacta	aacataacag	aattaatact	ggagagaaac	cctacacatg	tgaagaatgt	1680
ggcaaagtct	ttaattgggt	ctcacgcctt	actacacata	aaaaaaatta	tactagatag	1740
aaactctaca	aatgtgaaga	atgtggcaaa	gcttttaaca	agtcctcaat	ccttactacc	1800
cataagaaaa	ttcacattga	aaagaaattc	tacaaatgtg	aagaatgtgg	caaagctttt	1860
aagtggctct	caaagcttac	tgaacataag	ataactcata	ctggagagaa	accctacaaa	1920
tgtgaagaat	gtggcaaagc	ttttaaccat	ttctcaatcc	ttaccaaaca	taagaggatt	1980
catactggag	agaaacccta	caagtgtgaa	gaatgtggca	aagcttttac	ccaatcctca	2040
aaccttacta	cacataagaa	aattcatact	ggagagaaat	tctacaaatg	tgaagaatgt	2100
ggcaaagctt	ttacccaatc	ttcaaaccct	actacacata	aaaaaattca	tactggagga	2160
aaaccctaca	aatgtgaaga	atgtggcaaa	gcttttaacc	agttctcaac	tcttactaaa	2220

cataagataa	ttcacactga	ggagaaaccc	tacaaatgtg	aagaatgtgg	caaagccttt	2280
aagtggctct	caacccttac	taaacataag	ataattcata	ctggagagaa	accctacaaa	2340
tgtgaagaat	gtgggcaaag	cttttaaact	gtcctcaacc	ctttctacac	ataagattat	2400
tcatactgga	gagaaaccct	acaaatgtga	aaaatgtggc	aaagctttta	accgaccctc	2460
aaaccttatt	gaacataaga	aaattcatat	tggagagcaa	ccctacaaat	gtgaagaatg	2520
tggcaaagca	tttaactatt	cctcacacct	taatacacat	aagagaattc	atactaaaga	2580
gcaaccctac	aatgttaaag	aatgtggcaa	agctttcaac	caatattcaa	accttactac	2640
acataacaaa	attcatactg	gagagaaaact	ctacaaacct	gaagatgtga	cagtgtattt	2700
gacaacacct	caaacttttt	caaacataaa	ataaattata	ctgggtgagaa	attctagaaa	2760
tgtaaagaat	gtgataaagg	ctttacatgg	ttgtcacact	tgattgtagg	taagataatt	2820
tacattggag	taaacttcta	caagtgtgaa	gaatgtggca	aaacttttaa	ttaatgctca	2880
taccttattg	cacaggaaaag	aatttttact	tggaaaaagg	tatatacaca	aagaatgtgg	2940
aaaagccatt	aatatgtgct	catatcttac	tcaacatcag	agagtctgta	cttaataaaa	3000
ccattataga	tgcaactagt	gtcaaaagat	ctttcagaaa	ataaaagcct	ttaaagtga	3060
gaagataatt	cattctgaag	acaaacatta	caaataattaa	gaggggttga	gtaccattac	3120
ttgcatcaca	gatcttattg	tacacatttt	gtactaaaga	aaaccctgaa	gcagttgctc	3180
aaatactgtt	caacatcaga	aaattttatat	tggaaaaaac	ccctggaaaa	tgtaataaat	3240
ttgtaaaaac	agttttgaaa	aactacagct	tataaaacat	gaggggtctat	aatgcttggt	3300
tgatagtaca	aagtttattc	aacatcaggg	aattttatatt	ggagaaaaac	cctacaaatg	3360
taatcagttt	ggaaaaacat	ttttaaaaaa	accacagcat	agaaaaacacc	acaggggttca	3420
tactaaaata	tgtttttgca	gatgcagtaa	aaatgaaaaa	aattttaatcc	gaaattaagt	3480
ttatgtaaat	atctgagaat	tcacagtaga	aatatctaag	gcgcggacac	ttcagacatt	3540
acactaaatc	agtgtctaag	acagaaaaca	acacaaaata	aaacttggtg	ggattaaatt	3600
at ttgtatat	aacattaaaa	gg				3622

<210> 6190

<211> 2316

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (134)...(2317)

<223> similar to gi38079 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 6190

tttccgttct	cttgccccgg	ctgacagagt	tagccgaggc	cgccatattg	aataagcgac	60
ccggcctcct	aggggggtcgt	cgtggtgcag	acagtttagc	agaacagcct	ccgcggctcc	120
ggggagaagc	aatatgttaa	ggatacctgt	aagaaaggcc	ttagtaggcc	tttctaagtc	180
tcctaaagga	tgtgttcgaa	caactgccac	agcagcaagc	aacttgattg	aagtatttgt	240
tgatggtcag	tctgtcatgg	tggaaaccggg	aacgaccgtc	ctccaagctt	gtgagaaggt	300
tggcatgcag	atccctcgat	tctgttatca	tgaagggttg	tctgttgctg	gaaactgcag	360
gatgtgcctt	gttgaaattg	agaaagcccc	taagggttga	gctgcttggt	ccatgccagt	420
aatgaagggg	tggaaatatcc	taacaaactc	agaaaaatcc	aaaaaagcca	gggaaggtgt	480
gatggagtcc	ttattagcaa	atcaccattt	ggactgtcct	at ttgtgacc	agggaggtga	540
atgtgatctg	caggaccagt	ccatgatgtt	tggaaatgat	aggagccgat	ttttagaggg	600
gaagcgtgct	gtggaagaca	agaacattgg	gccattggta	aagaccatca	tgacaagatg	660
tatacagtgt	actcgtgca	tcaggtttgc	aagtgaagatt	gcaggagtag	atgatttggg	720
aacaacaggc	agaggaaatg	atatgcaagt	tggcacatac	attgaaaaga	tgttcatgtc	780

tgaactgtct	gggaatatca	ttgatatctg	ccctgtaggt	gccctaacct	ctaagcccta	840
tgccctttact	gccccgccctt	gggaaacaag	aaagacagaa	tccattgatg	taatggatgc	900
gggttgaagt	aatattgtgg	ttagcacaag	aactggagaa	gtgatgagga	ttttgccacg	960
tatgcatgag	gacatcaatg	aagagtggat	ctctgataaa	accagatttg	cctatgatgg	1020
gctaaaacgt	caaagactta	ccgagccaat	ggtcagaaat	gaaaaagggc	ttttaaccta	1080
tacttcttgg	gaggatgcmc	tctctcgcgt	agctggaatg	ttgcagagtt	ttcaaggcaa	1140
agatgtggca	gcaattgcag	gtggcttggt	ggatgctgaa	gccctggtag	ctctcaaaga	1200
tttgcttaat	agagtggact	ctgacacctt	atgcactgaa	gaggtcttcc	ccactgcagg	1260
agctggcaca	gatttgcgtt	ccaattatct	tcttaatact	acaattgctg	gtgtggaaga	1320
ggcagatggt	gttcttctgg	ttggtacaaa	cccacgtttt	gaggcaccac	tgtttaatgc	1380
tagaattcga	aagagctggc	tgcataatga	cttaaaagtg	gcccttatag	gcagtccagt	1440
ggacctcact	tacacatatg	accacctggg	agactcccc	aaaattcttc	aagacattgc	1500
ttcgggaagc	catccattta	gccaggctct	aaaggaagct	aaaaaaccaa	tggtgggtttt	1560
aggcagttct	gcactccaaa	gaaatgatgg	agcagcaatt	cttgcaagctg	tttctagcat	1620
tgacacaaaag	attcggatga	ctagtgggtg	tactgggtgat	tggaaagtta	tgaatatcct	1680
tcataggatt	gcaagtcaag	tagctgcttt	ggaccttggc	tataagcctg	gggtggaagc	1740
aattcgggaag	aacctctcca	aggtgctggt	tctcctggga	gcagatggag	gttgtatcac	1800
acgacaggat	ttgccaaggg	attgtttcat	tatttatcaa	ggacatcatg	gtgatgttgg	1860
ggctcccata	gctgatgtta	ttctcccagg	agctgcttac	acagagaagt	ctgctacata	1920
tgtcaacact	gagggtagag	ctcagcagac	taaggtagca	gtgacacctc	ctggcttggc	1980
aagagaagac	tggaaaatta	taagagcact	ctctgagatt	gctggaatga	ctcttcata	2040
tgatactctg	gaatcaagta	aggaacagat	tggagaagat	ctctcccaat	cttggttcgat	2100
atgatgatat	tgaagggggc	taattacttc	cagcaagcaa	atgagctctc	aaagctagtg	2160
aaccagcagc	ttcttgctga	cccacttggt	ccacctcagc	taactatgaa	agacttctac	2220
atgacagatt	caattagcag	agcttcacag	acaatggcca	aatgtgtcaa	agctgtcaca	2280
gaggtgccc	aggcagtaga	ggaaccatcc	atatgc			2316

<210> 6191

<211> 1578

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (99)...(660)

<223> similar to gil841436 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 6191

cgcggccgcg	tcgacgccag	tctagctgct	gcacaggctg	gctggctggc	tggctgctaa	60
gggctgctcc	acgcttttgc	cggaggacag	agactgacat	ggaacagggg	aagggcctgg	120
ctgtcctcat	cctggctatc	attcttcttc	aaggctactt	ggcccagtc	atcaaaggaa	180
accacttggt	taagggtgat	gactatcaag	aagatggttc	ggtacttctg	acttgtgatg	240
cagaagccaa	aaatatcaca	tggtttaaa	atgggaagat	gatcggtctc	ctaactgaag	300
ataaaaaaaa	atggaatctg	ggaagtaatg	ccaaggaccc	tcgagggatg	tatcagtgt	360
aaggatcaca	gaacaagtca	aaaccactcc	aagtgtatta	cagaatgtgt	cagaactgca	420
ttgaactaaa	tcgagccacc	atatctggct	ttctctttgc	tgaaatcgtc	agcattttcg	480
accttgctgt	tggggctctac	ttcattgctg	ggacagggat	ggagttccgc	cagtccgaga	540
gcttcagaca	agcagactct	gttgccccaa	tgaccagct	cctaccagc	ccctcaagga	600
tccgaggaag	atgaccaggt	acagccacct	tcaaggaaac	ccagttgagg	aggaattgaa	660





tctctttggc	ccagatgttt	gtaattaagg	gtctaacaaa	taattcacct	gaaatccagg	1320
ttgtgtgtag	tggtgtagcc	actacaggga	cagcctggac	ccatgggcac	aaagaagcaa	1380
aacagcgcat	cccaaccagc	actcccctga	gggattctct	cctggatgtg	gtggaaagcc	1440
agggagctgc	ctcgtggcca	ggagctggag	tccgagtggg	ggtgcaaaga	gtgtattctc	1500
ttcccagcag	agacagcacc	aggggtcagc	agggggccag	ctcaggacac	acagaccag	1560
ctggaactcg	agcctgcctt	ctgggtacaag	atgcctgtgg	aatgttcggg	gaagtgcact	1620
tggagttcac	catgtcgaag	gcaagacagt	tggaaagggaa	gtcttgacag	ctgggtgggaa	1680
tgaaggttct	acagaaagtc	accagaggaa	ggacagcggg	gattttcagt	ttgattgaca	1740
ccctgtggcc	cccagcgata	cctctgaaaa	cacctggccg	cgaccagccc	tgtgaagaga	1800
taaaaactca	tctgcctcct	ccagccttgt	gttacatcct	cacagctcat	ccaaatctgg	1860
gacaaattga	tataattgac	gaagacccca	tttataagct	ttaccagcct	ccagttaccc	1920
gctgcttaag	agacattctc	cagatgaatg	atcttggtac	ccgttgacag	ttctatgcc	1980
cggtgattta	ccaaaaacca	cagctgaaga	gtctgctgct	tctggagcaa	agggagatct	2040
ggctgctagt	gaccgatgtc	actctgcaaa	cgaaggaggga	gagagacccc	aggctcccca	2100
aaaccctgct	ggtctatgtg	gcccccttgt	gtgtgctggg	ctctgaagtc	ctggaggcac	2160
tcgctggggc	tgccccctac	agcctcttct	tcaaggacgc	tctccgtgac	cagggtcgga	2220
ttgtttgtgc	tgaacgaact	gtcctcttgc	ttcagaagcc	ccttttgagt	gtggtctctg	2280
gtgcaagttc	ctgtgagctg	cctggcccg	tgatgctcga	cagcctggac	tctgcaacac	2340
ctgtcaactc	catctgcagt	gttcaaggca	ctgtggttgg	cgtggacgag	agcactgctt	2400
tctcatggcc	tgtgtgtgac	atgtgtggca	acgggagatt	ggaacagagg	ccggaagaca	2460
gaggcgccct	ttcctgtggg	gactgctccc	gggtggtcac	atctcctggt	ctcaagaggc	2520
acctgcaggt	cttcctggac	tgccgctcaa	gaccgcagtg	cagagtgaag	gtcaagctgt	2580
tgcagcgag	catttcctcc	ctgctgaggt	ttgccgccc	tgaagatggg	agctacgaag	2640
tgaagagtgt	cctcggaag	gaagtgggg	tgctaaattg	ttttgtccag	tccgtaaccg	2700
cccacccgac	cagctgcatt	ggattggagg	aaatcgagct	tctgagtgca	ggaggggcct	2760
cctgccagaa	cactagccgg	ttgccgcagg	atctgtgaac	tttgcaatgt	ggcctgccaa	2820
gggggtggtg	gtggtggtgg	tgattggggg	gtaggttatt	gggttaacct	atgggacccc	2880
agtgaaccgt	agggtttacg	atcttggaag	ggaaacttta	gatttttctg	gggaaatggt	2940
ccagatacca	gttttgtgaa	ctgttaaata	aaaataccct	ttttcctaca	gtttatcttt	3000
tattttcctg	caaatttaag	gaacataatt	actccgtttt	ccacattgaa	tccttaagtt	3060
ttaaactcct	tcatttggtg	tttaaggcca	atatatgagg	aaaaaaattt	ttttttgttc	3120
atttgtaatt	ttaacaagtt	gaacatttta	ccatgattga	acatgttttt	attacagtat	3180
ttaacattcc	cccaaagaat	accctgcaaa	gtgtaaacct	ttgtcccata	ctgtgatatt	3240
aaaaattctg	ctacaataaa	tgtcaaacct	aaaaaaaaaa	aa		3282

<210> 6193

<211> 5825

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (39)...(1263)

<223> similar to gi3327100 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 6193

cccacgcgtc	cgatcgctga	gcgctggggc	tgtgatcgct	gaggggagag	cagttgcgac	60
cctgggctcc	tggggacctg	agcgttatgt	ctttccgcga	cctccgcaat	ttcacagaga	120
tgatgagagc	cctgggatac	cctcgacata	tttctatgga	aaatttccgt	acacccaatt	180

ttggacttgt	atctgaagtg	cttctctggc	ttgtgaaaag	atatgagccc	cagactgaca	240
tcccgctga	cgtggatact	gaacaggacc	gagttttctt	cattaaggca	attgcccagt	300
tcatggccac	caaggcacat	ataaaactca	acactaagaa	gctttatcaa	gcagatgggt	360
atgcggtaaa	agagctgctg	aagatcacat	ctgtccttta	taatgctatg	aagaccaagg	420
ggatggaggg	ctctgaaata	gtagaggaag	atgtcaacaa	gttcaagttt	gatcttggct	480
caaaagattg	cagattttga	aggcagccag	gcagcttgcg	tcctgaaatc	acctccaaag	540
gagcatctct	gtatgacttt	cgctcggcat	ggaagtagag	tttgagggaa	atgagaacag	600
aagccattgc	cagacctctg	gaaataaacg	agactgaaaa	agtgatgaga	attgcaataa	660
aagagatttt	gacacagggt	cagaagacta	aagacctgct	caataatgtg	gcctctgatg	720
aagctaattt	agaagccaaa	atcgaaaaga	gaaaattaga	actggaaaga	aatcggaagc	780
gactagagac	tctgcagagt	gtcaggccat	gttttatgga	tgagtatgag	aagactgagg	840
aagaattaca	aaaagcagta	tgacacttat	ctggagaaat	ttcaaaatct	gacttatctg	900
gaacaacacg	ttgaagacca	tcataggtat	gagcaagaaa	ggtttgagga	agctaaaaac	960
actctctgcc	tgatacagaa	caagctcaag	gaggaagaga	agcgctgct	caagagtggg	1020
agtaaccgat	gactcggaca	tagacatcca	ggaggacgat	gaatccggac	agtgagttgg	1080
aagaaaggcg	gctgccc aaa	gccaccagac	agccatggag	atgcctcatg	caagggaagc	1140
ctggcaaacg	cattgtgggc	acgatgccag	gttgagagact	ccgatgacaa	tgtaagtccc	1200
ccgctccct	cagtggttct	gtgcaactctg	ggtttggtctg	tccccataga	tgggagtggc	1260
tgagttgctg	tcagcagcca	gggagccgtc	tatggtcagc	ccggccgtgc	ctcgatgcgt	1320
ggcaggggtt	ggcctcatga	ggctctggac	tcttcgttgc	tcgtggatgg	ctcatctctt	1380
ttcaagtga	tgtgcttgct	ctgctttttt	ttgccttctc	actgttcttt	ccattctcgc	1440
tttccaaaga	tggaagcagc	accagctctc	ttaggtaaat	gcaagacttc	cagctccaag	1500
aagcaggttg	gttttctgtt	ctgcctcatg	tgtttgtggg	tgtctgtcag	ccctcccggg	1560
gccagccagg	ggcctctccc	taggagtgat	gcttctctct	tcctgggcaa	aaaggccact	1620
caaaagagat	cctgtggtga	cagcgggatc	actgaaggcc	cctgtgctaa	agtggaggcg	1680
caggcacgga	gcctggaggc	ggggaaagct	caggccgggc	catcctcagg	ccctgggccc	1740
ccacctagaa	atgaaggagg	acgccgaggg	ccgggctcag	gaccaacccc	cctccctggt	1800
ctgtgctggg	gacggaatgg	tgaagcagca	ctgtccccag	accaggccct	cgagggtgcca	1860
ggcatgaggc	tgagacataa	gctgccttga	gctttactga	gtggataact	ccctggagca	1920
cttaagcaaa	aggggattct	aggggtcctc	agtgagggtc	agtcatcagg	gctctgccgc	1980
ccattgctca	agcctacgtt	ctttgttgcg	tccttggcag	tgctgctcgg	cccacacagc	2040
aaagggcgac	tcaacagaga	ctgaccccag	ctgcctcca	tgtgccctga	atttacaggg	2100
cacagtctgt	agagaagcag	agagagcaac	tggaaaataa	ttttcctaac	aagctcgggt	2160
gtggatggta	tacagcgtct	ctccgtcttg	cccacccaag	acagaagcag	agggagtgtg	2220
gcgtgggtgc	tggcaatgct	gaggcagcac	cgctgcctc	ttctccaggg	tttgccttct	2280
ctctcctcag	agcgaatgca	ttagtcgcag	ctgagcttta	tgccctgggtg	tcaacttggtt	2340
atltcaagga	ggctgtgtcc	atgccgccct	ccaggcacag	ggttccatgc	tttacgtggt	2400
caggcatcca	acacgtgtct	gttgagtgcc	tgccacatgc	cagtgtgtgc	gtggatttatg	2460
gggaacgcag	caggggcaga	ggcaagcccc	cgcttcatgg	ctcacacccc	agcaataatg	2520
atggattgtc	ggatcagggc	tcatgggtgt	aacaggagga	ataacagctt	caggggacag	2580
ggagtgcag	ggaacaagga	gggggtggcg	tcttctgcga	ggtcagtga	ggcccctgac	2640
gtggtggtgt	ttgagcaggg	cctgagtggg	gggagcgagc	gcatgggttg	gcggcacctg	2700
ggcatgtgga	atgcactcct	cgcatcgagg	agcagaggca	gctggtgtga	ttgtgggtga	2760
gtgcgagagg	cagcaggggc	catgcagagc	tttgcagggg	gagatgaaga	ctctgttttc	2820
tctgagtgtg	aggggaaggc	cctgaagaat	catgagccca	gaaggggtcaa	gagctgatga	2880
tccttgtttg	agagaagcca	gttaggaggc	gcctgcaccc	gtggagggtca	gaggtgacgg	2940
tgcttgcccg	aaggtgtggc	agcagagggt	ttgagaaatg	gtcaggctct	gggtctctct	3000
aagaaccatc	aggttttgtg	aattgattgg	acataaggctg	ttagagaaaag	agaaaaatga	3060
gggtgcctgg	gcttggtcta	atcagcagaa	agcagagttt	cattttctga	gatggggccg	3120
acttgacaaa	ggggcttgga	aggcagatcg	aaagtttgat	tttgacatt	ctgaatgtga	3180
cagccacatg	ctagggttga	gtagccagggt	ggaatttaag	tctggagttc	aagggccacg	3240
tctgggctag	agattgaatt	ttgggagcca	cccttatattg	gttggtatct	aagccacaag	3300
gatagatgtg	actgcctagg	gagagcaagt	agaatgagaa	gagaggcgac	ccaaggtcct	3360
gagctgcac	tgccctgcag	aggtccggga	ggaaggggca	ggcagaggag	gctgaggggc	3420
gtcagcagtg	aggaaggggg	acctggacta	gagaaggggc	cctgggggat	ggagaagatg	3480
ggttttaagg	atgaaggggt	gattccacag	ctcaagcagg	atgaggcctg	agaatcgatc	3540
ccagtcctgt	gaatgtttcc	ttcttgacag	gagcagtgct	ggggtcagta	ggtgagagcc	3600

cgggggaact	gaagcagtcg	tgaggggac	agggtgagac	agtgaagtca	acgactcgct	3660
caggagcttt	gtgtgagggg	agagagacag	ggcagtcagc	ctggagagga	aggtagggatt	3720
acctttgggg	ttttttttca	agaaggaaat	tacagcatga	gtgtgcaccg	acaggaatga	3780
tctagataga	acgaccagcc	atcctggttt	acatgggacg	caggaactgc	cgttttaaag	3840
ctgggctgag	ttggtcaccc	tggagccctg	gatccgatga	ggagagagag	ggtgtgtctt	3900
tcactttgct	cccttttttt	cttttttttc	tttttttttt	gagatggagt	cttgcttttg	3960
agtgcagtgg	tgcaatctcg	gctcactgca	cctctgcctc	ccaggttcaa	gcgattcttc	4020
tgccctcagtc	tccggagtag	ctgggattca	ctttgctcct	tataccaatg	tctatgtttg	4080
tttccatcca	caatctacaa	aaagccaaaa	caggcctccc	ttccctctct	ccaagcccct	4140
gtccttcttg	ccatctgtag	ggggagtcct	taggtccagt	ggccctcagc	gcagatgcag	4200
agtgttctt	agacgctgcg	ggaaagccag	cccctgcagc	accacaccca	gatgcacctg	4260
cagtttgagg	gattctgggt	ggatgataaa	ttccagctgg	cagtacatag	cctcagtcct	4320
atctgtatgc	cctcccacag	cctgcttgcc	actctgccag	cctcttccct	cacacagggg	4380
tgctgctata	gaaagggagg	cagagagtct	taggacaaga	tgtcaggaat	gaggcaggat	4440
ccccggttg	atctgccatt	tttttcctat	aggaggactc	ggaggagagt	gaaattgaca	4500
tggaagatga	tgatgacgag	gatgacgatt	tggaagacga	gagcatttct	ctctcaccaa	4560
ccaagcccaa	tcgaagggtc	tggaaatctg	aacccctgga	tgagagtgc	aatgacttct	4620
gacccttttg	ccaaggagcc	ctggcagatt	aaaacctcca	gacttgttagg	taaatgggaa	4680
cttagaaggt	taggaaggta	accctgtgtt	tggttactaa	gtcgtgtgga	ctccatgatc	4740
actgaggcaa	tacttatttc	tgcttttagcc	ctcctatggt	tgcattccat	gaagcttaaa	4800
ataaggaatt	gaagcaaaac	ccctaagatt	taattttttt	cccaccttat	ttatctttct	4860
aaaaacttga	ggaatgcatg	tgttcttagt	gattcacatc	cacgggacaa	aaactcaaga	4920
agaaataaga	gctgacgcca	cacaagtctt	ggctgctttt	gttactatac	attttctctg	4980
agactccagc	agagttgggg	ctggaacttg	gcactgggga	ctcatgtttg	gaatcgtagg	5040
ggaacatctg	gctgttaatc	acttgcacag	ttgagaacat	ttcctataca	tcggctttta	5100
attctagctc	ttatttcatt	ttgtaatctt	attttctttc	gtctgcatgt	tcacaatacc	5160
aagcattaaa	tgtattttta	taactaaact	tttctgaaag	aaggttagct	aaagttaaat	5220
gaaaacttgg	tttctttgaa	aatcaggcaa	tagagacagg	ctccagatga	ggaatcctcc	5280
attttctgtc	cgaagctgac	actcctctgg	cagtccagtt	caccttggtg	tacagccacc	5340
ttcatgtttc	cacggttggt	actaaatctg	gaaactctgg	tgacctgggc	tgccctctca	5400
gaaactccag	actcccatgg	caatgacagc	cgggacactt	ttcttccctc	cagccagggt	5460
ttctctaaag	gagctttggt	ttgtctaaag	tgtggcaaga	catagtgcac	aacacagggg	5520
caaaggcagg	tttcttgtag	ctcgctacct	aagtgtttct	gtagggggaag	gagccaatta	5580
agaaaaagtg	ttggtacaga	ttcatgtttc	tgatttaaaa	aaacaacaac	acaggattga	5640
attaagttag	gtaatagcac	tagaagaatt	tttctgttgt	gaaattagaa	gtggagttgg	5700
tttttttctt	ttttctctct	cttttttttt	aatatgaaaa	gtacttagct	gggagtggtg	5760
gcaagcgccc	ttgggtccag	ctactcagga	ggccaaggtg	ggaggatcac	ttgagcccag	5820
gagtt						5825

<211> 2648

<213> Hom

 $\langle 220 \rangle$ 

<221> misc feature

$$\langle 222 \rangle \quad (257) \dots (1764)$$

```
<22> similar to gi299703 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters
```

<400> 6194

ctactacata	taaacatcaa	aacaagctcc	gggaagctac	agaagatttg	agtaaagtac	60
tagatgttga	gcctgataat	gatttggcca	agaaaacctt	gtcagagggt	gaaagagatc	120
tgaaaaaattc	tgaagctgca	tctgagactc	aaaccaaagg	gaaaaggatg	gttatttcagg	180
aaatagaaaa	ctccgaagat	gaagaaggaa	aaagcggaag	aaaacatgaa	gatggcggtg	240
gagataagaa	gcccgcgag	acggcgggcg	gcggcgccac	cgggcatccg	ggcggggggc	300
agggcgcgga	gaaccctgcc	ggcctgaaga	gccagggcc	acgagctgtt	ccgaagcggg	360
cagttgccc	aggcgccgg	caagtactcg	gcggcaatcg	cgctcctgga	gccagcagga	420
agtgaaattg	cagatgatct	aagtatctta	tattcaaata	gagcagcatg	ttacctaaaa	480
gaaggaaaact	gcagtggctg	cattcaagat	tgtaacaggg	ctctggaact	tcatccattc	540
tctatgaaac	ctcttctgag	gcgggcgatg	gcctatgaaa	ctctagagca	gtatgggaaa	600
gcttatgttg	attataaaac	agtgttgacg	atagactgtg	gactccagct	agcaaataac	660
agtgttaaga	ggctatcaag	aattttaattg	gagctggatg	gaccaaattg	gcggggagaag	720
ctgtcactta	ttcctgctgt	gcctgcttct	gtgccactgc	aagctttggca	tccggcaaaa	780
gagatgatct	caaaaacaagc	aggagactcc	agcagccatc	gccagcaggg	catcacagat	840
gaaaaaacat	ttaaagccct	taaggaagaa	ggaaatcaat	gtgtaaatga	caaaaactat	900
aaagacgccc	tcagtaaata	cagcgaatgc	ttaaagatta	acaataagga	atgtgccata	960
tatacaaaac	gagctctctg	ttacttgaag	ctgtgccagt	ttgaagaagc	aaagcaggac	1020
tgtgatcagg	cacttcagct	agctgatggg	aacgtgaaag	ccttctatag	acgagctctg	1080
gctcataaag	gactcaagaa	ttatcagaaa	agcttaattg	atctcaataa	agttatccta	1140
ctagatccaa	gtattattga	ggcaaagatg	gaactggaag	aggtaactag	actccttaat	1200
cttaaggata	agacagcacc	attcaacaaa	gaaaaggaga	gaaggaaaat	tgagattcaa	1260
gagtggaatg	aaggcaagga	ggagcctgga	agacctgcag	gggaggtctc	cacgggatgc	1320
cttgcttctg	agaagggagg	caaaagcagc	aggtcaccag	aagaccctga	gaaacttccg	1380
atagccaagc	ctaataatgc	ctatgaattt	ggtcagatta	taaatgctct	cagtaccagg	1440
aaggataaag	aagcctgtgc	acatctttta	gccatcactg	caccaaaga	tttgccgatg	1500
tttttaagta	acaaacttga	aggggataca	ttccttctcc	tcattcagtc	tctgaaaaat	1560
aatcttattg	aaaaagatcc	ctcatttggtg	tatcagcatc	ttttatacct	gagtaaagca	1620
gaaagggtta	agatgatgtt	gacactaatt	agcaagggcc	aaaaggagct	aattgaacag	1680
ctgtttgagg	acctttcaga	cacaccaaac	aaccatttta	ctttagaaga	tatacaggcc	1740
ctaaaaaggc	agtatgagct	ttaaatcaag	ataattgtta	gatttcttcc	atgcatgtat	1800
gtgttccagg	aatgttaatg	agatggtatt	gtaaaagagt	tgcatggata	aaacttggcc	1860
tagaaaagtt	tggctcgcac	tataaaacat	tttacttatt	ttcctacata	gaacatgtat	1920
attctacaat	ctgcttttta	ttagttgtaa	atattttctt	atgtaccaga	accaaataag	1980
tatattttaga	acttgttaaa	aatacatttt	aatttatgat	atacatatta	ttttaattac	2040
ttgttaaaat	tttgagttaa	gttgcatttc	tttgggctat	gaaggagtcc	tcttaagttt	2100
gatagaaatg	aatttcttgt	aacattcttt	tttaaaagtg	gaagtcatta	acagtgatta	2160
ttatatcact	tatatcctgc	taagatacac	ataaatccca	ttttgtacta	gtacctgtgg	2220
attacagtca	gttaaaatga	aatgcaacac	tgaagtctat	aacatgaaat	gattattaaa	2280
ttgtttatta	atthagagct	ataagaggaa	cttatttttt	ctaatacggg	agcattgcct	2340
aataattcgt	aacaaaaatt	gccaaaaatt	tctaccactt	tttactagat	tttaaaaagc	2400
tactttcttt	tatatgtcct	atataagcaa	aaaaccaacc	actgtattaa	agcaaactaa	2460
gcctgcattt	atatctgaat	tattaccctc	atattttacc	aaacatttga	atgtccccct	2520
tccccctttt	ttgttttctg	cttttatgac	tgtattttat	ctttactgt	aaaagaatat	2580
gaagaactca	tacatgttga	aagctccttt	gttgactggg	tcaaagtga	ggaatttcaa	2640
tctccaaa						2648

<210> 6195

<211> 8461

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature  
 <222> (243)...(7889)  
 <223> similar to gi5732618 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 6195

gcgaccgctc	gccccgaccc	tgaggctgct	gggcccaccc	tcccggaacc	gtccgaccct	60
cgggtggcctc	ggcctcttct	gccatctccg	gtcctaccct	ggggcggagg	gtggaaggca	120
gcttcogtcg	aagaggaggg	ggctgcggtg	gccaccgcgg	cggagcccga	gttattttac	180
caagaaaatg	gtttgcacga	ctttgaacat	atactatcca	tgctgatggg	acaggatcca	240
atatgaatat	aaatgatgga	ggaagacgac	gctttgaaga	taatgaacat	acattacgga	300
tatatcctgg	ggctatttca	gaagggacaa	tctactgtcc	gattcctgcc	agaaaaaact	360
ccacagctgc	tgagggtgatt	gagtctctta	taaacaaact	tcatcttgac	aaaacaaaat	420
gttatgttct	agcagaggta	aaggaatttg	gtggagaaga	atggattctc	aatccaacag	480
attgtccagt	tcagcgaatg	atgctgtggc	cccgaatggc	tctggaaaat	cgcttaagtg	540
gagaggacta	ccgcttccct	ctgagagaga	aaaaccttga	tggatcaatc	cattatggta	600
gcctgcagtc	atggctacgg	gtaacagaag	aacgtcgcag	gatgatggaa	cggggttttc	660
ttccacagcc	tcaacagaaa	gactttgatg	atztatgtag	tttacctgat	ttgaatgaga	720
aaactctctt	agaaaacctt	cgaaatcgct	ttaagcatga	aaaaatztat	acctatgttg	780
gcagtattct	aatagttatt	aaccatttca	agtttcttcc	tatttataac	cccaaatatg	840
tcaaaatgta	tgataaccac	caactgggaa	aacttgagcc	ccacatttat	gctgtggctg	900
atgtagctta	tcatgccatg	cttcagcgca	aaaagaatca	gtgcatcgtg	atttcaggag	960
agagtgggtc	tgggaagact	caaagcacia	actttcttat	tcaccacctt	actgctctca	1020
gtcagaaaagg	atttgccagt	ggagtagaac	agattattct	tggagctgga	ccagtacttg	1080
aggccttttg	aaatgcaaag	acagctcata	ataacaattc	aagtcgtttt	gggaagttta	1140
ttcaagtaaa	ttaccaggaa	acaggcactg	tacttggtgc	ctatgttgaa	aaatatctac	1200
tggagaagtc	cagactcggt	tatcaggagc	ataatgaacg	gaactatcat	gtattctatt	1260
acctcctggc	aggagcaagt	gaagatgaga	gatcagcatt	ccatcttaag	caaccagagg	1320
aatatcatta	tctcaatcag	ataacaaaga	aaccctcag	acagagctgg	gatgattatt	1380
gctatgactc	tgagcgggat	tgcttcacgg	tgggaaggaga	agatttgaga	catgactttg	1440
agcgccatac	acttgccatg	gaaatggtag	gatttcttcc	caagacacga	agacagattt	1500
tctctcttct	ctcagccata	ctacattttg	gtaatatctg	ttacaaaaag	aagacatacc	1560
gggatgactc	cattgatatc	tgtaatcctg	aagttctgcc	tattgtctca	gaattattag	1620
aggttaaaga	agagatgcta	tttgaagcat	tagttacaag	gaagacggtg	acagtgggag	1680
aaaagcttat	tttgccatac	aagttggcag	aggctgtgac	agtgaggaac	tccatggcta	1740
agtctctgta	tagtgccctg	tttgactgga	tagtttttctg	aattaatcat	gcacttctga	1800
atagtaaaga	tttagagcat	aataccaaga	cattgtctat	tgggtgttctt	gatatttttg	1860
ggtttgaaga	ttatgaaaat	aacagctttg	aacagttctg	tattaatttt	gctaataaac	1920
gtttacagca	ctactttaat	cagcatatct	ttaaattgga	acaagaggaa	tatagaactg	1980
aaggtatcag	ctggcacaaac	atagattaca	ttgataatac	ctgctgcata	aatcttatta	2040
gcaaaaaacc	aacaggactg	cttcactctt	tggatgaaga	aagcaacttt	ccacaggcta	2100
caaatcaaac	attgctagac	aagtttaagc	atcaacatga	agataattct	tacatcgaat	2160
ttccagccgt	gatggagcct	gctttcatta	taaaacatta	tgctggaaaa	gtaaaatatg	2220
gggtaaagga	tttccgggaa	aaaaatacac	atcatatgcg	cccagacatt	gtagctcttc	2280
tgagaagcag	caagaatgca	tttatctctg	ggatgattgg	aattgatcct	gtagctgttt	2340
tccgatgggc	aattctccga	gcttttttca	gagccatggg	tgctttcagg	gaagctggga	2400
aaagaaacat	tcacagaaaa	actggacatg	atgatacagc	gccatgtgca	attttgaaaa	2460
gtatggatag	ttttagcttt	ctccaacacc	cagtccacca	gaggagctta	gagattctgc	2520
agagatgcaa	ggaagagaag	tacagtataa	cccggaaaaa	tcccagaaca	cctctttctg	2580
atctccaggg	catgaatgct	ctaaatgaaa	aaaaccaaca	tgatacattt	gatattgcct	2640
ggaatggcag	aactgggatt	cgccagagca	gactatcaag	tggcacctcc	ttgcttgata	2700
aagatggaat	atttgcta	tcaactagca	gcaaactcct	ggagagagcc	catggaattc	2760
tcacgagaaa	caaaaatttc	aaatccaagc	ctgcccttcc	aaagcacttg	ctagaagtaa	2820
attcttttaa	gcacctgaca	agactgacac	tacaagatcg	cattaccaag	tctcttcttc	2880

atttacacaa	gaagaaaaaa	cctcccagca	tcaagtccca	gtttcaggca	tcattaagca	2940
agctaattgga	aacacttgggt	caagcagaac	catattttgt	aaaatgcatt	cgctctaattg	3000
ctgaaaagct	gcccttaagg	ttcagtgatg	tcttgggtact	taaacagcgt	cgatacaccg	3060
ggatgctgga	aacagttcga	attcgccaat	caggatacag	ctccaaatat	tctttccagg	3120
atthttgtgag	ccacttccat	gtactttcttc	cccgaatat	tattccatcc	aaattttaaca	3180
ttcaggattt	cttcaggaaa	ataaatctta	atccagataa	ttatcaagtt	ggaaaaacca	3240
tgggtctttct	aaaggagcag	gaacgcacgc	acttacaaga	tctgtcttcac	caagaggtgc	3300
tccgcagaat	catattgttg	cagcgatggt	tcaagggtctt	gctgtgtagg	cagcattttcc	3360
tccatctgag	acaagcatct	gttattatcc	agagattctg	gaggaattac	ctaaatcaga	3420
agcaagtcag	agatgcagct	gtgcagaagg	atgcttttgt	tatggctagt	gcagctgctc	3480
ttctccaagc	ttcctggcgt	gctcacttag	agaggcagcg	gtacttggag	ttacgggctg	3540
cagccatcgt	tatccagcag	aaatggagag	attactatag	gcgcaggcac	atggctgcta	3600
tttgcataca	agcaagatgg	aaagcctaca	gggaaagtaa	aaggtaccac	gaacaaagga	3660
aaaaaattat	ccttttgcaa	tcaacatgta	gaggattcag	agcaagacaa	agatttaaag	3720
ctttaaaaga	acaaaagcta	agagaaaacaa	agccagaagt	tggattgggtg	aatattaag	3780
gatatggatc	tctggaaatt	cagggttcag	acccttcaga	tggggaggat	tgttcttttg	3840
acaacagaat	aaaagccata	gaggaatgta	aatctgtaat	agagagtaat	cgaattagcc	3900
gtgaaagtgc	agtggactgc	ttgaaggagt	caccaaacaa	gcagcaggag	agagcccaaa	3960
gccagagtgg	tgtggacttg	caggaagatg	tgcttgtaag	agagagacc	aggtccttgg	4020
aggatctcca	tcagaaaaaa	gtaggccggg	ctaagagaga	aagtaggaga	atgagagaac	4080
tagagcaagc	tatatttagc	ttagaattgc	tgaaagttcg	ttctcttggg	ggtattttctc	4140
cttcagagga	tcgcagatgg	tctacagaat	tgggtgcctga	aggccttcag	tctccacggg	4200
gtacacctga	tagtgagagc	tctcaaggaa	gcttggaaact	tctgagctat	gaggaaagcc	4260
aaaagagcaa	actagagtct	gtcatttcag	atgaaggaga	cttgcagttt	ccatcaccta	4320
agatatccag	cagtccaaaa	tttgattcac	gggacaatgc	cctcagtgcc	tcaaattgaga	4380
ctagcagtgc	agagcatttg	aaggatggaa	ctatgaagga	aatgggtggc	tgcagttctg	4440
agtctattac	ctgtaaaacca	cagctgaaag	actccttcac	ttcaaattag	ctacctactt	4500
ttttttatat	cccccaacaa	gacctactga	aaacaaattc	ccaactagac	acaagtatcc	4560
aaagaaacaa	actattggaa	aatgaagaca	cagcggggga	agctcttact	ttggatatca	4620
acagggaaac	tagaagggtat	cactgctcag	gaaaagatca	gattgttcct	tctttgaata	4680
cagagtcttc	taatcctgtg	cttaagaagt	tagaaaagct	aaacactgag	aaggaagaaa	4740
ggcaaaaaaca	gttgacagcaa	cagaatgaaa	aagagatgat	ggaacagatt	cgccagcaaa	4800
cagatatttt	agagaaggag	cgcaaaagcct	tcaagacaat	tgaaaagcca	agaattggag	4860
agtgtttggg	ggcaccatct	tctatcag	caaagcaaag	agtagagagg	ccatcctctc	4920
tcttcagctt	aaatacctca	aataaggag	aacttaattgt	actgggggtcc	ctatcattaa	4980
aagatgcagc	tcttgcccaa	aaagacagtt	cctctgctca	cttaccacca	aaggaccgac	5040
ctgtcaccgt	gttctttgaa	agaaaaggaa	gtccatgcc	atctagtact	gtcaaggaat	5100
tatccaagac	agacagaatg	ggcaccagc	tgaatgtagc	ctgtaaactc	tcaaataatc	5160
gcattttcaaa	aagagaacac	tttaggccaa	ctcagttcta	cagccacaat	tctgatgacc	5220
ttccagaga	gggaaatgct	aggccattt	tcttcactcc	aaaggataat	atgagtattc	5280
cccttgctag	caaaggaagc	ttaaacagta	aaaactctca	actccataaa	gaagatgaac	5340
cagcatggaa	acctgtgaag	ttagctgggc	caggccaaag	agacacatca	cagcgatttt	5400
cgtcagttga	tgaacaagca	aaacttcata	agactatgtc	tcaaggagag	attaccaagt	5460
tggcagtgag	acagaaggct	tcagattcag	atataagacc	tcagagagct	aagatgagat	5520
tctggggcaa	agggaaacaa	ggggagaaga	agactaccag	agtgaacact	actaccag	5580
cagaggtttc	gccactcttt	gcaggcacag	atgtgattcc	agctcatcag	tttccagatg	5640
aattagctgc	atatcaccca	acacctcctt	tgagccaga	actgccggc	agttgccgga	5700
aggaattcaa	agagaacaaa	gaaccttctc	caaaggctaa	gcgcaagcga	agtgtgaaga	5760
ttagcaacgt	ggctttggat	tctatgcatt	ggcaaaatga	ctctgtccag	atcatagcaa	5820
gtgtcagtga	tttaaaaagc	atggatgaat	ttcttctgaa	aaaggtgaat	gacctagata	5880
atgaagacag	caagaaggat	acactagtgg	atgttgtatt	taaaaaagcc	ctgaaggaat	5940
ttcggcagaa	tatcttcagc	ttttattcat	ctgcattggc	gatggatgat	gggaaaagca	6000
tacgggtata	agacctctat	gcactatttg	aacagattct	ggaaaagacg	atgaggcttg	6060
agcagcgtga	ttcactgggt	gaattctccag	tgagagtttg	ggcacaact	tttaaagtgt	6120
ttttagatga	atatatgaat	gaattcaaga	cttcagattg	cacagccact	ataggtgcca	6180
aaaaacagaaa	gaaagaaaag	aaggaaaaag	gaaactgatt	tgggtggaaga	acacaaaggt	6240
cacatcttta	aagccaccca	atatagcatc	cctacatact	gtgaatactg	ttcttctttg	6300

```

atatggataa tggaccgagc ctctgtttgc aaattatgca agtatgcttg ccataagaag 6360
tgctgtctga aaaccacagc caagtgtctt aaaaagtatg atccagagct gtcattctga 6420
caatttgggg ttgaactgtc ccgtttgacc agtgaagacc gaactgttcc tttagtagtg 6480
gaaaagctca taaactacat tgaaatgcat ggactgtata cagaaggtat ttatcgaaag 6540
tctgggtcga ctaataaaaat caaggagctt cggcaggggtc tagatacaga tgctgagagt 6600
gtaaatctag atgactataa catacacgtc attgcaagtg tattcaaaca atggcttcga 6660
gatttgccca atcctctcat gacctttgaa ctctatgagg aatttcttcg agctatgggc 6720
cttcaggaga ggaaggagac aatccgtggt gtatactctg tgattgatca actctcccga 6780
actcatctca atacactgga acgcctcatc tttcatctag tcaggattgc tctgcaggaa 6840
gacactaatc gaatgtctgc taatgctttg gccattgtgt ttgcgccctg cattctccgc 6900
tgccctgaca ccactgaccc actacaaagt gtacaggaca tcagtaagac taccacttgt 6960
gtggaactga ttgttgtgga acaaatgaat aaatacaagg ctctgtctca agatatcagt 7020
agcttgggaat ttgctgagaa taaggcaaag accaggttgt cactgattcg tagatcaatg 7080
ggaaaggggc gtattcgtcg aggaaactat ccaggtccat cgtctcctgt tgtagttcgg 7140
ttgccttctg tgtctgatgt ctccaggagg acccttgacta gtgaggcagc catggagact 7200
gacatcacag aacagcagca agcagctatg cagcaggagg agagagtact gactgagcag 7260
attgagaacc tacagaagga gaaggaggag ctaacatttg agatgcttgt actggaaccc 7320
cgtgcctctg atgatgaaac ccttgagtct gaggcctcca ttgggactgc tgatagctca 7380
gagaatttga atatggagtc tgaatatgct atctctgaga aatcagaaag aagcttagcc 7440
cttagctccc tgaagacagc tggcaagtct gaaccttcca gcaagttgag aaagcaactt 7500
aaaaagcagc aagactcttt agatgtcgtg gactcttcgg tctcctcttt atgtctgtct 7560
aacacggcat catctcatgg gaccagaaaa ctatttcaga ttatttccaa atctccattc 7620
taccgagctg cctcaggtaa tgaggccctg ggaatggaag gaccattggg ccagaccaa 7680
ttcctggaag acaagcctca gtcatcagc agaggaacct tcaaccggga aaagggcaaa 7740
caaaaattaa agaatttgaa aaactcacct cagaaaacca aagagacccc agaggggaca 7800
gtcatgtctg gccgcagaaa aactgtggac ccagactgca cctccaacca acagctagca 7860
ctctttggaa ataatgaatt tatggtctga accggcagat gtgtgtccct ccgtggctac 7920
agagtggtaa acaaactctca cctttggggc tgcgtttcat cacctcgtcc acaatagtca 7980
atcctaattg tggctcctgcc tcttttctaa gcataatggt aagactgtat gtgctgaatt 8040
cctgggcctc ctgcagaagc agaaagcctg ctggggatgg tgccagctgt gccttggtg 8100
ttgtatttga attgagattt ttactataca aagccacctt gggcctgggg atttgggtca 8160
gttgtagttg cctctcccc accctctttt cccttcccaa aggtgggtgt tgaactaggg 8220
gggatattgc tgtcctgagg gacctctca tttctgacat ttgaagaaaa cgtataaatc 8280
tttcttaacc gtgaaagcaa aagccttttg gtttattttg ggatagttag gagctagggt 8340
agaatataat ttttttccaa aaacttactt acaaaacaaa agcctaatac ctctatttta 8400
agatttctga aaaaacactc cactccatgt tatattctgg ggaaagcaaa aacaaaaaaa 8460
a 8461

```

```

<210> 6196
<211> 2085
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(2086)
<223> n = a,t,c or g

```

```

<220>
<221> misc_feature
<222> (767)...(1194)
<223> similar to gi5817230 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

```



<400>	6196						
tgcaccacg	cgtacaaaa	ttctgttgta	tgaatggcat	ttgtatatatta	aaacactttt		60
ttaaaggaca	gttgaaaagg	gcaagaggaa	accagggcag	ttctagagga	gtgctggtga		120
ctggatatca	attttaagt	gcgttcacct	agtcaacacg	accgcgtgtg	ttgcccctgc		180
cctgggctcc	ccgccatgac	atcttcactt	tgcagcttgt	gctgagactg	acccaagtgc		240
agctagcact	gggacacaga	tccttgtctt	cagcaccttc	caaggagcca	actttttattc		300
cctttcctct	ctcccctccc	cacctcgttt	cttcccaatt	tagtaactta	gatgcttcca		360
gcacatacgt	aggtagctac	cccagccggt	ttggattaca	ggcctgtgct	ggaacatcat		420
ctcagttggc	caccttcctg	gcaggctgta	gacctgacat	tttgagacaa	gcctagagtc		480
aggagcaggg	actttgactc	ttaggaagag	cacacatgag	ggcaaggctg	ctggcagacg		540
tctccattgt	ccttatgttg	tctgtgttgt	attttttttt	ttttattgac	catgggtgat		600
tattttttta	aaccatcggt	aatatactga	agtgagctat	agcacatatc	atgtgctnta		660
agtttgtgta	tttttctcca	tctccccttg	gcttcctaga	gtttggacat	attccaggct		720
aaatgctttt	actcaagact	acagaaaagg	ttgaagtagt	gtgtgcatgg	catgcacgta		780
tgtaaagta	ctggggaaga	agcaaagatc	tgtttcattc	ttagcctcag	gcctcatgag		840
ggtctccaca	gggccggagc	tcagggttaca	ccactccttc	gtccttacag	gagatgtagg		900
gagaagaatc	tgcaggctgc	tgtgtggact	gttcaccaag	ggggatacca	gcagcaagag		960
agtgaccctg	tttagccctg	gacctgtttt	cttactgtgt	gacttggcta	gagttgggag		1020
ttcccccaaa	ataaacgtgt	ccccatttta	ccagaaccca	aacctcaaca	cagcgaagct		1080
gtactgtctt	tgtgtggcaa	agatgttccc	ttgtaggccc	ctttcaggta	accgtcttca		1140
caatgtattt	tcatcacagt	ttaaggagca	tcagccgctt	ctcaagtggg	tagggaaagc		1200
aaaaaaacgt	acgcaagagg	acatggatcc	aaaatgatga	tgaagcatct	cccatgggga		1260
ggtgatggtg	gggagatgat	gggctaaaca	ggcaactttt	caaaaacaca	gctatcatag		1320
aaaagaaact	tgcctcatgt	aaactggatt	gagaaattct	cagtgattct	gcaatggatt		1380
tttttttaac	gcagaagtaa	tgtatactct	agtattctgg	tgtttttata	tttatgtaat		1440
aatttcttaa	aaccattcag	acagataact	atttaatttt	ttttaagaaa	gttggaaagg		1500
tctctcctcc	caaggacagt	ggctggaaga	gttggggcac	agccagttct	gaatgttggt		1560
ggaggggtga	gtggcttttt	ggctcagcat	ccagaaacac	caaaccaggc	tggctaataca		1620
agtggccgcg	tgtaaaaaca	gacagctctg	agtcaaatct	gggccttctc	acaagggtcc		1680
tctgaaccaa	gccccactcc	cttgctaggg	gtgaaagcat	tacagagaga	tggagccatc		1740
tatccaagaa	gccttcactc	accttcactg	ctgctgttgc	aactcggtctg	ttctggactc		1800
tgatgtgtgt	ggagggatgg	ggaatagaac	attgactgtg	ttgattacct	tcactattcg		1860
gccagctcga	ccttttaata	accttgtaaa	aagcatgtat	gtattttatag	tgttttagat		1920
ttttctaaact	tttatatctt	aaaagcagag	cacctgttta	agcattgtac	ccctattggt		1980
aaagatttgt	gtcctctcat	tccctctctt	cctcttgtaa	gtgcccttct	aataaaacttt		2040
tcatggaaaa	gtcctctgtc	caggagctca	gtctgaaaaa	aaaaa			2085

```
<210> 6197
<211> 1846
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1847)
<223> n = a,t,c or g

<220>
<221> misc feature
```

<222> (193)...(1409)  
 <223> similar to gi29648 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 6197

ttcggcagag	gggcgtggta	gcgtaggggt	gcgcggcccg	gaaccgcaga	gccggccaaa	60
gcgcggcgca	ccgtgcgccg	gggccgtgcg	cgaagagacc	tcgcggggcg	ggagcgaaag	120
gccggcggtga	gtgagcgcg	agacagtggc	cgccggcggc	ccaacccgtc	tatcccttcg	180
gccgcgcgcg	gcatgagcca	catccagatc	ccgcgcgggc	tcacggagct	gctgcagggc	240
tacacgggtgg	aggtgctgcg	acagcagccg	cctgacctcg	tcgaattcgc	agtggagtac	300
ttcaccgcgc	tgcgcgaggc	ccgcgcacca	gcctcagtcc	tgcccgccgc	cacccacgc	360
cagagcctgg	gccaccccc	gccagaacct	ggcccgacc	gtgtcgccga	cgccaaagg	420
gacagcgagt	cggaggagga	cgaggacttg	gaagtccag	ttcctagcag	atttaataga	480
cgagtatcag	tctgtgctga	gacctataac	cctgatgagg	aagaggaaga	tacagatcca	540
aggggtgattc	atcctaaaac	tgatgaacag	agatgcagac	ttcaggaagc	ttgcaaagat	600
attctccttt	tcaaaaatct	tgatcaggaa	cagctttctc	aagttctcga	tgccatgttt	660
gaaaggatag	tcaaagctga	tgagcatgtc	attgaccaag	gagatgatgg	agacaacttt	720
tatgtcatag	aacggggaac	ttatgacatt	ttagtaacaa	aagataatca	aacccgtctc	780
gttgggtcaat	atgacaaccg	tggcagtttt	ggagaactag	ctctgatgta	caacaccccg	840
agagctgcta	ccattgttgc	tacctcagaa	ggctcccttt	ggggactgga	ccgggtgact	900
tttagaagaa	tcatagtga	aaataatgca	aagaagagga	agatgtttga	atcatttatt	960
gagtctgtgc	ccctccttaa	atcactagag	gtgtcagaac	gaatgaagat	tgtggatgta	1020
ataggagaga	agatctataa	gagaatggag	aacgcataat	cactcagggg	gaaaaaggct	1080
gatagctttt	acatcataga	gtctggcgaa	gtgagcatct	tgattagaag	caggactaaa	1140
tcaaacaagg	atggtgggaa	ccaggagggtc	gagattgccc	gctgccataa	ggggcagtac	1200
tttggagagc	ttgccctggg	caccaacaaa	cccagagctg	cctcagctta	tgcaattgga	1260
gatgtcaaat	gcttagttat	ggatgtacaa	gcattcgaga	ggcttctggg	gccctgcatg	1320
gacatcatga	agaggaacat	ctcacactat	gaggaacagc	tggtgaagat	gtttggctcc	1380
agcgtggatc	tgggcaacct	cgggcagtag	gtgtgccaca	ccccagagcc	ttcttagtgt	1440
gacaccaaaa	ccttctgggtc	agccacagaa	cacatacaga	aaacagacat	gacagaactg	1500
ttcctgcgt	tgcgcgcact	gctgccattg	ctgtggttat	gggcatttag	aaaacttgaa	1560
agtcagcact	aaaggatggg	cagaggttca	acccacacct	ccactttgct	tctgaaggcc	1620
cattcattag	accacttgta	aagattactc	caaccagtt	tttatatctt	tggttcaaaa	1680
cggcatgtct	ctccaacaat	ttaagtgcct	gatacaaagt	ccaaagtata	aacatgctcc	1740
tttctctct	tggntgctac	tcttgctttt	gggaagttac	cacaggggtc	tggcaggaaa	1800
cctgtttgta	ttaactgttg	gnacactctc	taatggttct	caaagg		1846

<210> 6198  
 <211> 1804  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (1606)...(484)  
 <223> similar to gi4886467 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

```

<400> 6198
tttttttttt ttacgtatca acaaaggatc ctttattgac cagagcagga ccgtggcatt    60
tttatttata tatatatata tatatatata tatatatata taaataaaag    120
tttgaagatc tggcaggcag tgatcctatt ggtccggcca ccacccccag cactgatttc    180
ctgctccctg cacggggaag ggggagggat gactgctcca ccagggccac agggccacac    240
ttccccttgc aaaccagagg aagaaagggg ctttttctgt agccatcccc ctgcacattc    300
agaaattcaa ccaagtatct ctctcaaaaa aaaaaaata cagaaattga aacatttaaa    360
tatgaaaaac caaaggggaag tgagtgggaa gaggcaagag aggaaaggaa ctggagtttc    420
ttgggaaggg actcccatgt ctcccttccc atttatgggc ttgggggtctg ggggtacgagg    480
ctcacacagt gagtttgcag tgacacagct cctttagat ctgccgacga agtttgggca    540
tgtcctgctg ggtgaagctg aatggctgag acagggccag atgcttgca tactgcaaca    600
caaaagcacc acagtcactg tcattattct gcctggccac attcattttg aagtaacctt    660
tccagccctg gtggaaatcc agtcgggtct tctttaccgc ctctgcctgt agatacttgg    720
caatatgctt agggcagcgg cgggttaggg tacgctgcga gtcaaaatag gtgatggtgc    780
gtgcctcac atcaacagag atgagggacc aatgcacctc cagggtggatg gggattagca    840
gtagctcctt attgaagatg tccacgtttt tgggtccacct ttccacccca tcataaccct    900
tggtagcgag tttatcaata gaagaaacta ttgaagaaat gcaccttttt cagggactgt    960
gtccatgacc aggtctccat acatgttcat cacctggtea ttgagccagt tctgtccata   1020
caagggtccc aagtcaccca tggtcagcac gtgccgctta taagccactc ggaagcccct   1080
caccatggca ttgcctggca tccgctggta agactggatc agctgcaaca ccaggccctt   1140
cctggaaggg gtggaaaact cctgctggaa aatgtcctcc agcttctcta ctacctcatc   1200
agtgtgaggg ggtatgaggc tgccataccg tttgaaggaa ttctgccaag atgctctgta   1260
cgcaggtcac atgctcctct cgcagggggc tgtgtgccc ggcttttctc ccaggccctc   1320
tctgcctctt ctgccatgcc caaatctgag ccctgaaaaa gctcctgggc cacatgggtcc   1380
ccgatgctgc acacattgct gatgaggatg ctggcatcag ggggtgcca gctgcgctcc   1440
ccttctggcc cagattgtcc cccaaaaccg ttgggcagag tacatgaaag gagggccgag   1500
tcagggtcca gaggagactt tggagtccac ctgagtccat ctctctccat ggggggcca   1560
gagggcactg gtggagaccc tctcacccca tcctcagcca tgagagcacc tagcagaccc   1620
agccgggggtg gaggtggccc ccggggggag tcaaaacgac aacaggggga tggcacctgt   1680
ggcgtgcac ccccttgctg gggtgaaaga tggttcttgg ggtgtgcgag gccccgcgc   1740
cggccccgtt ggcgccccca aagcttcag tggaatgtca gcgaggtgct tttccacgcg   1800
tcgc

```

```

<210> 6199
<211> 1706
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (265)...(1389)
<223> similar to gil840045 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 6199
aggccctgtt gaagtacgga atgccggaag ggccgggctc aaagctccgc ctctggcgcg    60
accgacgact ggagcgcagg gcaggggtag aggctcgtag atggaactgg tagtcagctg    120
gagagcagca tggaggcgct ctgggggagc ttcaacgctg agcggggctg gtatgtctct    180
gtccagcagc ctgaagaagc ggaggccgaa gagttgagtc cgttgctaag caacgaactt    240

```

cacagacagc	gatccccagg	tgtttcattt	ggtttatcag	tgtttaattt	gatgaatgcc	300
atcatgggaa	gtggcatcct	tggcttagct	tatgttttgg	ctaataaccg	tgtcttttga	360
tttagcttct	tgctgctgac	agttgctctc	ctggcttctt	actcagtcca	tcttctgctt	420
agtatgtgta	ttcagacagc	tgtaacatct	tatgaagatc	ttggactctt	tgcatttgga	480
ttacctggaa	agttggtggt	ggcaggcacc	ataataattc	agaatattgg	agctatgtca	540
tcttatcttt	taattattaa	aacagagctt	cctgctgcta	ttgcagaatt	tttgactgga	600
gactatagta	gatattggta	tcttgatgga	caaacactac	taataatcat	atgtgttggc	660
attgtgttcc	ctcttgcact	tcttcccaaa	ataggctttc	ttggctacac	aagtagttta	720
tcatTTTTct	ttatgatgtt	ctttgctctt	gtggtaataa	ttaaaaaatg	gtccatccct	780
tgtcctctga	cattaaatta	tgtagagaaa	ggcttccaga	tttcaaagt	tacagatgat	840
tgtaaagcaa	agctctttca	tttctccaaa	gagagtgtt	atgccttacc	aacctatggt	900
ttttcatttt	tctgccatac	ctcaatattg	cccatatact	gtgaacttca	aagtccttca	960
aagaaaagaa	tgcagaatgt	taccaatata	gcaattgctt	taagttttct	catttatttt	1020
atatctgcac	tctttgggta	cctcactttt	tatgacaaag	tggagtcaga	attactaaaa	1080
ggttatagta	aatacttata	acatgatgtt	gttgtcatga	cctgtgaagt	tatgccatac	1140
tatttgctgt	gcttttggac	agtccctcta	atccacttcc	ctgccagaaa	agctgtaaca	1200
atgatgtttt	tctccaattt	tccattctca	tggattcgcc	atTTTTtgat	cactctagca	1260
ctcaatatta	tcatcgTTTT	acttgcaata	tatgttcttg	acattagaaa	tgtatttggt	1320
gtagttgggtg	ccagtacatc	aacatgtttg	atTTTTtata	tcccaggact	atTTTTatctt	1380
aaacttagca	gagaggattt	tctgtcatgg	aaaaagcttg	gggttggcgt	gcagtgggtg	1440
gatctcagct	cattgcaacc	tctgcctccc	ggactcaagc	aatcctccca	cctcagcctc	1500
cagagtagct	gagactacag	gaagagatac	catggagatg	tgcacccaga	ggaaaggcca	1560
cgcaaggaca	cagcaagaag	gcaactgttt	acaagccaag	ggaagaggcc	tcaggagaac	1620
caaacgtgtc	cacaccttga	tcttgcaactt	cccaacctcc	agaactgtga	gcaaataaat	1680
gatgttgttt	aatccccaaa	aaaaaa				1706

<210> 6200

<211> 2060

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1456)...(1236)

<223> similar to gi220136 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 6200

ttaatgtaaa	attaacaaaa	aatattttatg	gccagggtgg	tggcttatgc	ctgtgattcc	60
agaactttcg	gaggctgagg	caggtggatc	acttgaagtc	aggagtttga	gactagcctg	120
gccaacatga	cgaaacccca	tctctactaa	taatacaaaa	attagctggg	tgtggtggca	180
tgtgcctgta	atcccagcta	cctggggaggc	tgaggcagaa	gaattgcttg	aaccggggag	240
gtggagggtt	cagtgaagctg	agatcgaccc	acggcacact	ccagcctggc	cgacagagaa	300
agactccatc	tcaaaaaaaaa	agaaaaggaa	aaacatttgc	acttcaattc	tccttcaagt	360
taaaatgagt	taaaatgcct	ccttttggac	aatccccctg	cttgaatgtg	gctcttccct	420
ctctggtact	ggtgcttagt	acctcacagc	acctgacaag	ttaagtgcc	atggttgctg	480
aggcagatgc	ctgccttgtc	ctgcccacct	gcccaccact	tctccctaaa	ctgaagcccc	540
acatttggag	cagtcattctt	tatcttggac	acagcattga	gcagatacct	gttccacagt	600
caacctttta	tcaagagaag	gtaccaaaacc	caaaagtata	acatctaatt	cttacctgaa	660
ttttcagtgg	ctcgatgtga	ttcaggtaaa	tatgtgcata	tcccaaagt	tgtataaagt	720

cacctggcta	taaacccggg	ggagaaagca	gaacagtatg	ttagtttcaa	ttcttttaaaa	780
catcatttaa	aaacattaga	atatgcagac	accgcaaggc	ttttttttaa	aaaataattt	840
agtgtagctt	ttccattttt	ttgtagcaac	agcatcttgt	tatgttgccc	aggctggtat	900
tgaactccag	acctcaagca	attgctcctg	tctcagtctc	caaagtgt	gggattacag	960
gcatgagcca	ccatacccaa	cctcagcata	gcttttgaga	aatccatag	aagctgtatc	1020
acaaacaacc	tgtatagatc	tgttagtgcg	tataccacag	ggccagaaaa	ccttcagaa	1080
gaggaaggtt	tcaaagtaaa	agctggttca	tgtcttactt	acacatatca	aatttaaaag	1140
ctaatcagag	actaaactct	gcaatttggt	ttcccatatt	aaagaactga	agagctcagt	1200
gtggtaggct	ggcaagtcac	ccttcccag	acagcccacc	ttcaggcccg	tgatgtgcgc	1260
aatcatgtac	gtgagcagg	cgtagctggc	gatgttgaaa	ggcacaccga	ggcccatgtc	1320
tcccgatctc	tggtacagct	ggcaggacag	ctcactgttc	accacataga	actggcagag	1380
ggcatggcat	ggaggcagcg	ccatcagagg	aagatctgag	gaaccagcag	aggaagataa	1440
ggagggatgg	tggtttgaaa	gaccacagct	aaaggcaaag	taaaacagga	gagaaacaga	1500
agccaactca	tatggtggag	accaggagag	agagccactg	ggctgcagtg	atgtccataa	1560
cagcctctgc	agcgatggca	cggagctgag	ggagactatc	catcggtgca	aggtttctgc	1620
aggtgtccat	ttacggctga	agcaatgtct	ttccatcaga	gctgaaggga	tctgggctac	1680
ctcgtggcac	cagattacaa	atacagcagg	aataattctg	tttgccacag	gaaactggtg	1740
cttctggtac	accctcctat	attaaaagtc	tctattacat	ggcccaaggc	acagtggtc	1800
atgcctgaaa	tcccaacact	ggggacgcca	gggttggggc	agattcactt	gagggccaac	1860
ttgagttcga	gactagcctg	gccaacatag	tgaaaccccg	tctctgctaa	aaatacaaaa	1920
attcgcgcg	ctgtggtccc	agctctgggg	ctgaggaatg	ggaactcgct	tggacctggg	1980
agatggagg	tgccgtgagc	ggagatcgcg	ccactgcact	ccaagcctgg	gcaacacg	2040
ctgagactgt	gtctcaaaaa					2060

```
<210> 6201
<211> 1744
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1478)...(204)
<223> similar to gi4929613 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```

<400>	6201						
gacacgggga	tctgtcatg	actccatttt	gtaaaagaaa	aggggaatca	aaggaaactt		60
caaattttta	aaaaagaggg	aataatcatc	tcagtgtact	taccatgttg	cttagatttc		120
tttttttttt	ttttcttctt	cttctgtttt	ggtctgtagt	gatctttgtc	tctcttctct		180
cttctttcct	tatctttttc	ttttctctta	ccaaatgctg	ttgagctttt	gtcttccaat		240
ttcacttttt	tttctgtttt	cgatattcct	gctgctgctg	gagctcctct	tccatcagct		300
attgcttttg	aagaaggatt	tgggaagcatc	tgtgtatcct	ctttttctgc	cctgggacat		360
tcattacggt	aagaggaatc	tgaggctacc	ggtgctgtaa	cttctgaacc	acgacttaag		420
tcaagaggga	gacagggtcc	cagcttctca	agtggcaaat	gtgcaacatc	aggcacctct		480
ggtactgaag	attcttgctg	attttgagaa	ctgatggaga	atactttccc	atcagtggct		540
ggagagggag	aagaaacctt	ttctacagaa	tcatcaggca	tgggtaagg	ggctaaacgc		600
tgagatcttc	ttctccgctc	actatgcttg	aaaggtctag	ggggattcac	aggctgtgga		660
ggactagttt	tatttatcac	tgaagaagaa	agctgagata	caagcgtcaa	atcctcgact		720
tgtattaatt	ctggggaaag	tgggtgattta	gggggtttta	tacaccaga	agaatctcca		780
gattcatgtt	tgcatttctt	gctgcgagcc	ttccctgaag	acaaagttda	ggataacagt		840

gcaggtttct	gagtgttggc	agaactgcta	atgtcagctt	catttttttt	ctgactttga	900
ggtttaggtg	aaatcgctg	ctccagcatt	ggagctgttt	cattgtagtc	ttcctttttt	960
tcagcaccat	caacccaac	agctttggat	gccaacaaac	cagtaatctt	gttaagtcga	1020
gctctctttg	cctgaaacga	gttgccctga	ttatttttcc	tcttgtttga	taatgtgctc	1080
tctggctgtg	gaaagaccat	ctttggaacg	ttctctacat	gaagtcctac	aaatgtttca	1140
ctagatgtag	gcagatcttc	cttccttcct	ctacgtctgg	tgtggctaata	aacaagttga	1200
aagtttcctc	catctttgaa	ggtacttttaa	accactttct	ctcatcttta	tccttatctt	1260
tattgctgtt	agcgctggtt	cgaggtttac	tccctgtttt	gttcttggct	gcagctgcag	1320
cagctgcttt	gactaaagct	atccaatcct	cacttcccat	agactgggta	cacgatccag	1380
ctgggtcgat	aggacaacac	cagcttagtg	gatgctggga	tttcacctgg	aacagaaact	1440
gcccttagc	atcctcgggc	atggctttta	tgtgcattct	ttttaacaa	cgaattactc	1500
catcataaaa	ctgaactgta	aatgttcctt	ctttgttaat	tgcttcaatc	ttggcagggt	1560
aatagcgaca	gtctgtccaa	cgagccagaa	cttcttctcc	agctttaaaa	tcaaagaaat	1620
cttcctcatc	ttttagccct	tcttttctta	gtgctgggtc	ctcaaggggt	cgcaatctat	1680
tgctatccca	gtaaatccac	tcatcataac	gatgactcca	gcgctcaaaa	tggaccaaca	1740
tctt						1744

<210> 6202  
 <211> 7872  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(7873)  
 <223> n = a,t,c or g

<220>  
 <221> misc\_feature  
 <222> (7489)...(2075)  
 <223> similar to gi4151330 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 6202						
tgtggacaga	gtaaaaaagt	ttattaacat	tctgagaagg	acagaaattt	tcaagaatca	60
tcattagtgt	taacaaagct	tgatgaaaaa	attcggatgc	aaggaggggc	aatgagttat	120
tgggtggtct	ttcaaataag	caaacctcaa	gcaataatac	caaagtgttt	taaaagagcg	180
tttaaaatga	attttattct	ttgaatttta	caaggtagtc	tttagaggct	tcaaacaaga	240
actctgttgc	aaaactctaa	taaatagctt	gccccaaagt	ccccaaacaa	aatgtaaaac	300
aaaatgagaa	ctaaactcag	aaggataaag	aagacttcag	aatgcttggg	atgttaggca	360
atattttctca	tttacaaga	ggatatcagg	gcaatgtaca	atctccttca	tacaagtcaa	420
agagaggaaa	gagacaggac	aattggaaat	cttcacaaag	gcactccgga	aatcttccta	480
tttccatgat	agaaatgtca	ccagaaaaaa	aaaattccat	gggaggaatt	cacaatcaag	540
gatttgaaac	tgtaggcata	aaaattctgg	gtagtgaatg	tagcagggag	aagagaggaa	600
aatccatcct	gtttctttca	gggatggaga	gaggaaggaa	ttgagattac	ttgggtgaag	660
ggaacttcca	atcagatgcc	gctagagtgc	tgaatgttcc	cttagaccag	agttgccact	720
gaaagggcag	aggggtcggt	ttagtgacag	ttatgaaggc	aacaaacaaa	ggggtctcct	780
caggtcagtc	aaaactggcc	agccccatgt	ctctgtgctc	tacagcagcc	ttggaagagt	840
gaccaggggg	cccaaagcag	cctgcatcac	aagacagcaa	aaatagcaca	tcaataattt	900
ctgcagcgga	atccttttga	tggccatgaa	aggatgcaga	aaatgccgtg	ctgaaatttc	960

acactgggac	atgcaggttt	caaaagccca	ttctagtatc	acagtcatta	ttcctaacaa	1020
gcaatgatta	aaattcacaa	ttaaaccattc	actgttagct	tctcctagtt	acaaatactg	1080
gtgaagtctt	gctctggaga	gaaagattaa	tttagagata	tggtcatttt	cagcaagcta	1140
aaaaaaccag	ttgtgccaca	tttttatctt	taaaaatctt	taaaacgtat	acttttgacc	1200
aaaatgcatt	caaaatgcag	acagataagg	tttttagtttg	ggggaattct	gaaatcaatt	1260
aatgtttgga	gccaggaagc	tgtaagagag	attgattcca	atttagtggg	gctcaattaa	1320
gccaaacaaa	aaagagtctt	gacagcacaa	gtgggaacca	tcttcctggg	gaaagggaga	1380
agcaggaaat	gacctacaaa	tgaggactg	agaaggggtg	tggcctgcag	gactgtcag	1440
agctgctctg	gtttacagac	ttgctgttaa	atatttaact	ccggtcctgc	tgatctctgg	1500
aggacaggta	cagacagcac	tagctcatgc	acgagtcatt	caagggagggt	aggcattttc	1560
tcaaagcaac	tccctctcca	ggcatttttag	ggaagaaggt	aaggaaatat	ccctctctac	1620
tccccaacaa	agttataaaa	acattctttt	tctaggaata	atgataattg	ttagaataac	1680
aagggaagc	ttgggttacc	tgaagttgat	aagaaagctg	atgggaatag	aggcggatgg	1740
gccagggggc	gccctgttcc	aaggccaggt	ttcttcttaa	atacataaca	gataaagata	1800
ttgtgcaaaa	aaataaagac	attcacattt	tagcagttaa	actttttttt	tactgtttaa	1860
aattttttatt	tacttttttt	gttttttttt	tctacaaaag	gcagggtgatg	attgttgatc	1920
tgcaactatt	gtgttgtgca	ctccccgaaa	gggggcagag	taggaagcca	gggaagggtgc	1980
tctgaggatg	ctttctatgg	agggaataag	ggcttgagg	acactcactg	gagggagtgt	2040
ctggggccctt	ctcctgtcct	cctcagcctt	ccctagctca	tgtctatggg	gttgaaaacc	2100
cattctgtga	acttcttcag	cttgtccgag	gcgttctggg	actcctcctg	tagcctcagg	2160
ttgtcctctc	gcagggtgctg	cacctccgcc	tgaaggtgag	ctttgtcttc	tttttccttc	2220
ttcaaactctt	cccgaagcat	cttcagcata	ccttcagct	ggtccacttt	agaagccaga	2280
gtgggagagg	agtctttact	gctgctgtaa	ggcttcatct	gggccagagc	ctggtcctcc	2340
agctgatcac	tggttgatgc	agcactcaag	gggcgatggg	tttcatcact	agcagcaaaa	2400
aatgaggctc	tctggacctc	ataggctttg	gcagcatcta	ccagggttggg	ccaatccaag	2460
tctgcagcag	tgtcaggcag	gggcatcagg	ccagggtcgg	gcataggctg	cctgcgggtc	2520
tcttgatgt	cagtgaggga	gctgtccgag	gctgagaact	ctccatgcag	cgatttcatt	2580
cctaagggtg	aagaaggcct	cctcaacggg	agcgacttgg	ggagagaagg	gtacgtgcta	2640
ctgaagagga	cgtcgttggg	cagggttggg	tccagaagtg	acgccctgga	ggtgaaaaag	2700
tgctccctct	ggctattgta	aatgctctcg	tccgacagtg	ttctgtgcaa	ggcccgcctg	2760
gaggtggggg	tgctggggaa	aggagactga	ggagaggaga	gtgctgggaa	cttaaaactc	2820
ttctgtgatt	caggagtggg	gctttcaaga	tcaattagtt	tctttagatc	ttcttcaatg	2880
gtggacttgg	agggttggctt	aggagatgcc	cggagggtctc	tggttgaggc	acgcagcctg	2940
gtgtgggcta	tttcattggc	atcgctctga	tgacgtcttc	tcgtgtccat	aaatccccag	3000
gagtttatgg	ttccttcggg	ttttttccat	ccaatcagggt	acttgctagt	agcgccctgg	3060
cgagggtaaa	aactcctagg	accagaggag	gaggagggaag	aggaggagaa	ggatgggtgcg	3120
agctgtgagg	gggcagctgg	atgaagctct	tctttagggtg	aactccgggc	actggtgaaa	3180
accactgggc	tggcagagtg	tcgggagctc	atggtacttg	tgtgggaagc	agcatcgttt	3240
atactgaagg	tgctgttctc	ccttgtcaga	ggggtcgagc	cggcttggct	cttgctgtgt	3300
atgtctaagc	tcagggaaga	ctctgttttc	cggtcagggc	cgtggctctc	tgtctccaaa	3360
gtccgatctg	ccatggagat	tacttcaactg	gagctgtgcc	ataggggtgc	cactttctcc	3420
ttgcctggcc	ctgagcgagg	tgacgatgtg	gcagccccc	gcgaggctgt	gctgccgtgg	3480
ctggggccat	aagagggtgg	gtcaatgcca	ctgtcagcag	aggtgccttg	cagatagtta	3540
tagctgttga	gttcggattc	tggtcgggtcc	ccatcgtaac	acttctcatc	actatgggca	3600
cttgacgcat	tgctggagag	agtattgcta	ctggagtggc	tcgagtagtg	gctatcagaa	3660
tgcccttgtt	tgtttgaga	caaatagaacc	actggatcct	gccgcattaa	tctcccactg	3720
gggctctctc	ggaaagctgg	cagtaccttt	gatactgctg	ggagatggca	tgttggctct	3780
gtatattcat	gctgtcgag	gacaaaagaa	ttgaaatcct	gaggtcctct	ataactgtaa	3840
gccatctggg	cagcaatgct	atcctcactt	ctttgccagc	taggcgtgga	ttttccgctg	3900
ccaccaatat	ctgactgggt	gttctgcctg	tcagtgagg	ctggggatct	acggctcact	3960
ccaaaccctt	cgggcattgga	cttctgcctg	taagtgtccc	ccacagaacc	agtatcactg	4020
gatgaagaca	agttgctagg	agagttccga	cactgggatac	ttgctaaagc	catggatgag	4080
accgtcacat	agatgtccga	accaggagac	agccgcctct	ctagtgggag	cccgtcactg	4140
gagatgcttc	gagggatgtt	ggcggctctt	tctggaggag	gcatcttccc	atctcctttt	4200
ccagcattca	gccgcgagggt	catgggactc	tgcacctggg	acgggacttg	aggtgaatga	4260
ggcccttgc	tggcggttct	ctgccacttg	ttattatttc	ggaagggaaa	cttgaattcg	4320
tatgaaacac	cttcattcat	tttgtactcc	atcactggca	tgcggtaggt	ttcagagcaa	4380

ctcctccgcg	gggtgcagtc	atcatgcggg	ggaatgatga	caaccttcac	cgtgacagat	4440
gttctcagga	ggtcgatcat	ctgctcatgg	ctcagcagtg	gctaccgcca	ccttgcagat	4500
ctccaccagg	cgactgcctt	gcctcagccc	tgcttgccag	gcataaccgt	agggctccac	4560
atccgccaca	atgccctcat	agttgacatg	gaagccaagc	tgctcctagcc	catttcttcg	4620
cagagtcate	tccaccgatt	cacagccttt	tgaacaaac	tgcaaccttt	tgacaatctc	4680
tttgatctcc	tcaatgttaa	taaaactacc	cactgaaaca	cattctcctc	gttcatagaa	4740
gattttgagg	ctggtgtcag	ttgaagtcca	ccctatcaca	tctctacagg	aacaattgaa	4800
gaccacgctc	tttgtttcct	gttcaatgag	cacaatgaac	tcattggaga	tccctaaaag	4860
gcagtctagt	tccatggcct	tggtgtagtc	ttcagcccg	actgcccata	caatggcccc	4920
catgctgctg	agctcggctc	ctggatatgg	ccttagacttt	tccttcttct	tggaagccag	4980
agagatgaac	ggaaacttgc	cagaagggtc	gatagggggtg	ttggtgacat	tcttttctgc	5040
cagatctttc	aggtattcct	ggcgggtccg	agttgccatg	gcccgaact	tctccgattt	5100
atgagcagca	ttttctgcac	taatcacttt	cgccaaaagg	aagtccctga	acacatttga	5160
cttagggaaa	gtgaccctt	taggaatggg	aggcccaaag	gaaggcacat	ctctggacct	5220
ggtaacagcc	acactataac	agacactgtc	agagcacgga	ttgtgcaccc	tgacgatgac	5280
gaaaacgtgc	tggaagtggg	atcggatggt	ttttgggctg	aatggctgtg	ctccaggctc	5340
ttgaaaaca	attgttacga	tatcatttcc	aatgtgccgc	ttcctcagga	gctgttgttt	5400
gttgtttgggt	gtgtatggca	gcatggtaga	aacatggaac	ataatttcat	aatctttgta	5460
tggtgtgtac	agagaatggg	ttccagtggg	gtcagttttg	gtatcaagct	gtgctcgata	5520
cttctcaaat	cctttgagcc	gaactcgctc	tcccaatagt	tgaagggaatt	cttcaaaggc	5580
tggtccagct	gactcattgt	tgtacatctc	ttcttcagtg	ctctgtccag	cctttgcagta	5640
catgatgcct	actttctgct	ggtagtccag	cccttggtca	tcagtttca	tgagctgctc	5700
tgtgaccttg	ggtgtgttga	aggccaaccg	caggcactgg	acattgagct	caggaaccac	5760
gtgctccagc	acttctttga	gaggcaggcc	tctggtctgc	gagtgtttgg	ctgtcgacgg	5820
aatggcgctc	tccaggaccg	aacctctcag	tgtcatgagc	tcactagttc	taaaaattat	5880
tcggtagtgt	tacggagatc	cattttcttt	catttcatct	ggtttttccc	ttcgaatgct	5940
cacagccact	ggaccaagat	tctcatcagc	cccaaaatag	ttccagtgtt	ccttctggta	6000
gaaaaatttt	ctataatagt	atgcacccag	atctacgtgt	tccacgatgt	atcttttcac	6060
tctatctagg	tgcaacacca	agttctcctt	gggcacttca	agtactgcca	ctcctgcatt	6120
tgtgcaatgg	gaactaaggg	tagactcaaa	ggaggcactt	tcacatccac	taaaggagcc	6180
agaatttgat	tttgaaggcc	tgattttcct	ctccccctct	ccacctatct	cattccgaaa	6240
atatggacag	ctcattacaa	gctcattgct	tttatcatct	ccctgggtcca	tgctgaggct	6300
tcctttggaa	ttcagggtcct	ctgtgctgcc	cattggggag	ctaaaactgg	ctgaatgaga	6360
cagaggtcca	gagaccaagg	atgccacggc	agctgcgga	gctccagtgg	tggtgtttct	6420
cctcttaata	acattgtgcc	tgttcataat	tgctcattc	aaatcaaata	atatactctg	6480
gacatcatag	tgggcaaagc	actttggaca	tgtccagggc	ctgacagagt	cctctgatcg	6540
gttatcttca	agatctgatg	acttcccaag	ttcttcacct	ttggcattgc	gcaatttacg	6600
aaaaatagat	gagtctccag	tttcagattt	tgaacgtcgc	ttgagtgggt	tttccctttc	6660
cttaaaaagc	ctgaggttct	ctctctgtga	gataggcccg	tctattacat	ccaaagagaa	6720
accagaacce	ttgccaccac	cagtaatgag	aaagtactcg	agcttggttg	gagttggacc	6780
tcgatcagat	ttgtcatctt	tgtagccctt	taacaaatca	aaaaagcttt	ctccagatgt	6840
tcctgtttta	tcaattgaag	atgtgctacc	atattccctg	tgcagtgatg	gtccagtctt	6900
gtatgtagg	gagatacatt	catcaaagct	atccacatca	agttcactta	tggtgatata	6960
actgttgctt	cgctggcgta	ttctgcgaag	agcttttctg	ggggagctgg	ggtaggcttc	7020
aggcatgaga	aatctggagt	ccatgttctc	cgacggtctt	gtcttggttt	tcagcgtgtt	7080
ctgtatgctt	ttcagcatgg	ctgagtcatt	ggaattgagg	ctaacagaac	ttccctgact	7140
cacaggactg	cctttggagg	acaggctatc	aaggcaactt	gaggtttcta	tttctctggt	7200
tgaacggcta	gattctttta	tgttttcctt	tcttgggggc	caatctgcaa	tccttgccct	7260
tacccccatt	tttgggactc	cggggggtga	ggttatatgg	tgagaacctt	cacttcgggg	7320
gggtcctaca	ggagccataa	ctgatgatcc	taagctgcca	ttttgggacc	ggaagcgccg	7380
catgtagaaa	tcacatgagt	ggactttggg	ggtgccgtct	gtgccaacaa	cagaggccct	7440
gtcagtggca	agaggccttt	ctgtctgtga	cctgttcaag	ctggtcatga	tgtaaaagca	7500
agtagactta	aatccctgca	gcaaggacca	tcatactctg	gttttaaatg	tgcacttccc	7560
ttttggagaa	tggtctccag	aaaatacaac	agtggcatga	gatcttaatc	tttttcatth	7620
aaaagggttaa	atgatgcttt	atthgtaaag	cactgaaaaa	ttggaacttc	taaacgttat	7680
aatccacaac	agtttctttg	tttcacttta	acagagggtc	ttctttcaga	aaaaactgaa	7740
tggaacttgt	actactgaga	ttctgtgggt	gccataatcc	catgctttct	cgagaccagg	7800



```

atattgcaga atgaatccag cattcnccac cacctcttcc caagctatcg aaagtttagg 7860
gtactcttaa aa 7872

```

```

<210> 6203
<211> 4071
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (52)...(2099)
<223> similar to gi2072501 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 6203
atacgcgaag cctggacgga gtgggtggga gaacgacacg aatggataga taatcatgta 60
cctacaagca ctctagtcca aaactcatgc tgctcgtatg tagttaatgg agacaacaca 120
ccttcatctc cgtctcaggt tgctgccaga cccaaaaata caccagctcc aaaaccactc 180
gcatctgagc ctgccgatga cactgttaat ggagaatcat cctcatttgc accaactgat 240
aatgcgctctg tcacgggtac tccagtagtg tctgaagaaa atgccttgct tccaaattgc 300
actagtacta ctgttgaaga tcttccagtt caagaaatac tgacttcctc agaaaaacaat 360
gaatgtattc cttctaccag tgcagaattg gaatctgaag ctagaagtat attagagcct 420
gacacctcta attctagaag tagttctgct tttgaagcag ccaaatacaag acagccagat 480
gggtgtatgg atcctgtacg gcagcagctc gggaatgcca acacagaaac cttgccatca 540
gggtgggaac aaagaaaaga tctcatggt agaacctatt atgtggatca taatactcga 600
actaccacat gggagagacc acaaccttta cctccaggtt gggaaagaag agttgatgat 660
cgtagaagag tttattatgt ggatcataac accagaacaa caacgtggca gcggcctacc 720
atggaatctg tccgaaattt tgaacagtgg caatctcagc ggaaccaatt gcagggagct 780
atgcaacagt ttaaccaacg atacctctat tcggcttcaa tgtagctgc agaaaatgac 840
ccttatggac ctttgccacc aggtctggga aaaagagtgg attcaacaga cagggtttac 900
tttgtgaatc ataacacaaa aacaaccagc tgggaagatc caagaactca aggccttacg 960
aatgaagaac ccctgccaga aggtctggga attagatata ctctgaagg tgtaaggtag 1020
tttgttgatc ataacacaag aacaacaaca ttcaaagatc ctcgcaatgg gaagtcactc 1080
gtaactaaag gtggtccaca aattgcttat gaacgcgggt ttaggtggaa gcttgctcac 1140
ttacggtatt tgtgccagtc taatgcaacta cctagtcatg ttaaagatca atgtgtcccg 1200
gcagacattg tttgaagatt ccttccaaca gattatggca ttaaaaccct atgacttgag 1260
gaggcgctta tatgtaatat ttagaggaga agaaggactt gattatgggt gcctagcgag 1320
agaatggttt ttcttgcttt cacatgaagt tttgaacca atgtattgct tatttgagta 1380
tgcgggcaag aacaactatt gtctgcagat aaatccagca tcaaccatta atccagacca 1440
tctttcatac ttctgtttca ttggctggtt tattgccatg gcactatttc atggaaagtt 1500
tatcgatact ggtttctctt taccattcta caagcgtatg ttaagtaaaa aacttactat 1560
taaggatttg gaatctattg ataactaatt ttataactcc cttatctgga taagagataa 1620
caacattgaa gaatgtggct tagaaatgta cttttctggt gacatggaga ttttgggaaa 1680
agttacttca catgacctga agttgggagg ttccaatatt ctggtgactg aggagaacaa 1740
agatgaatat attggtttta tgacagaatg gcgtttttct cgaggagtac aagaacagac 1800
caaagctttc cttgatggtt ttaatgaagt tgttcctctt cagtggctac agtacttcga 1860
tgaaaaagaa ttagaggtta tgttgtgtgg catgcaggag gttgacttgg cagattggca 1920
gagaaatact gtttatcgac attatacaag aaacagcaag caaatcattt ggttttggca 1980
gtttgtgaaa gagacagaca atgaagtaag aatgcgacta ttgcagttcg tcaactggaac 2040
ctgccgttta cctctaggag gatttgctga gctcatggga agtaatgggc ctcaaaagtt 2100

```

09488725 "0.3.1000

```
ttgcattgaa aaagttggca aagacacttg gttaccaaga agccatacat gttttaatcg 2160
cttggatcta ccaccatata agagttatga acaactaaag gaaaaacttc tttttgcaat 2220
agaagagaca gagggtattg gacaagaatg aatgtggctt cttattttgg aggagctctt 2280
gcattttaat accccagcca agaaaaattg cacagatagt gtatataagc tgttcattct 2340
gtacagtgaa ttttccgaac ctctcaaagt atgttttccg ttcttccaca gaaatatgca 2400
aaacagttca tccttttcta ctttatttat tgttcccttg aaatgactga ccaggaaaaa 2460
gatcatcctt aaattttgaa gcaagtgaga gactttatta aaaatacata tataatctata 2520
taaacatata tgatagtggc tctagtttta tagagctcca agtgtattaa acatgacagc 2580
cattcattca taaagatctg gatttgcttt accttggtta tattatctag gggaaaaagt 2640
gcaaattgct ccatgttctt ctctccctta tgtaacatct cctgaggggtg tttagttgca 2700
tggctgttca gaaaggtatt aagggtcttag gccaaatctt actttgagta tgttaaaaaa 2760
aaaaaaatgc tgctgggctt ttctgaaaac aggtgcttga acttgtcagt ttgttttaaa 2820
taaatacaat agtggaaaat ttttctctgt tacatcagta atattgttaa agtaatggat 2880
agaaccataa cttacccatg aaagtcatat actaaatcca atactattta gtttattatc 2940
gaaattggaa ggattcattg agcagcatag aagtttgttt acatgttact ttgagatgct 3000
aggatattgt ggaattaaaa agaatacaagc ttcttttgta ctttgttttt aaatctgtga 3060
tgcttttcaa atttaattca taataaattg atgcaatttc atacttagga acatacaaaa 3120
ggtaatgtaa actctgccac ttttttggtg tcaaaatttt ggtttttatg gaagcccgga 3180
tggattgaag agttacataa gcatttgaat gctctaatat aaggctaattg attttctggt 3240
agtgtttgaa tatcttcatt cctctcaaat tcataacagt tctatttaac tgaattaaat 3300
aaccatatga aaaatctttt gggctctccc ctttttacac gagataatta tttttgtcat 3360
aacacttttt aattgttttt catcataggg gcctttgctg aactacaaaa atgtgtaaca 3420
aattaaaaatc tgatgtgaat gatattaatg ctacttttag caaactgggc ttctaatac 3480
aaaattttta atttccattt gtatcatgct tttaatatgc actgtaaatt tcattaactt 3540
aaacattttt taatagccat ggaactgact tcttaaaaatc tgttgccat aaatatttca 3600
ctgctaagta catacagaaa aacagtaatt attgttttgc caaaatttta tttttctaca 3660
tattgagagt gtgttctcca ttttattcag aattcatagt aaagacgaaa gaaaggcaga 3720
gatctgcttg gttgaataga ctcttttcc aaatccttat tatgaacact ctggtaat 3780
tcaagcctaa agaattaaaa aaaaaattct aatgtatgtg acagggttatg tgatagaggg 3840
aaactggcct tcaaaaacgg actgcgata ccataaaaga gtttaagtatt agaattacaa 3900
atggtaccac tgctgtataa attttccat gacagaagtt attgaatatc attcattgta 3960
ggtatgattt agcagatttg actgaagaag ggcagcttc cagttcgttt tcagggtgct 4020
ggtcttctc aagtaagaaa ttacgatgca ctagggtgagg ctacacagaa c 4071
```

<210> 6204  
<211> 8435  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(8436)  
<223> n = a,t,c or g  
  
<220>  
<221> misc\_feature  
<222> (2859)...(6129)  
<223> similar to gi37334 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

```

<400> 6204
ctaaaaatac cattaagtaa tagtattagc ttttgtattc tgagattcaa cagcagcagt 60
cacttccctc cactcctatg tgtatcccag gaccaccctg ggcggggagg gctgaggtca 120
gggaggtctg aagctgggtcc tgggctccgg ggggtgacagt gatgaggaac tgggtgcaca 180
catgagtggg gcagccgggc ctggccagag aagcaacaca cacgtgcaca gacatgttta 240
tccacataca catgtgcacg catgtgcaca aacacattgc aggcaggcat gttgacgcct 300
caggcagcgg aggaccctga ctctgggccc tgctgaccgg ggcaaggccc attgtgatgc 360
gtgccatgac ctcagaatgt cactggtgct tagcacctat ccgctctcca gactgcgtct 420
gtgttctacg gcagttacac acacgcagtg gtattcacia gcggttttgt ggactcaaag 480
gttttctccc tgagaggcat aaccaggcc agctgattca tcagaatcag gtgagtgtga 540
cctgctctct tccctccagg ctgacttggg gacagtggct atggtatggg cgggtgttggc 600
ctctgggcag ctacagagga gggtcacccc tgagcactca ccgggcgccc gttctacact 660
gcccattgtg acgattttct ctttcgtctt catggtggct tcgtagagtg ggtgctgttc 720
ccaaatgtac ccattcgaca ggtgagccgt ctggggtcag agaggcagta actggcctgg 780
gaatccagac aagaccctgg gttttgctct cagccctgct gtgtgccatg ctagacttca 840
ggcctcaacc ctgagacctc cctgctctag atcccaaata tgcccagatt tccgatccaa 900
tgggcagagc ctggccctgg cagagacact gggatggatc cactgtgggt ggggaggagg 960
gaagggctct cagaacacac ctggggccta agctgggtct tgatggtcac tgtgggaccc 1020
actggacaca cacagtccct tgtctgggag tggcatgggg agccttctgc ccttgggcag 1080
ttgtggaaag tgaaggagcc ctggagagct ggctgagggg agactatctt cccttgtgtt 1140
caaaggggtc caggcactgg ggctctcccc aagtatttct tattctgtct ggccctcgctt 1200
tcctttttgcc ctgagtattc tcaggaggga cggctccatct agatgtcctc caggagcaag 1260
gaccactgtt tcttcatcag tgaccagga aaatgaagcc cctcctgtg gggacagctc 1320
agaatggtgg agtccacagt ccctccctga gagacatggt tccatgagc acagtggctg 1380
ctttggagac agtaatcatt ttcaccccca aaaccaaaca cactcctgct caaatggtgt 1440
tattgctaaa gcagcttcac tgggttagact gaagggccat ggtagcccaa gtgatgagcg 1500
gggtagaatg gagcagtcag gagagatctt gttccccgta ggaaactggg catctctgtg 1560
gccctgaaca tcccaggagg ccgatcgtac agagacctct ggtgcctgac cgcagttcac 1620
atccacatcc ctggaataga ccatcacagg ctcttcaccc ttggcagggtg gacaccattc 1680
aacctgccgg ggcaggatgg acatggtaga gaatgcagat agtttgcagg cacaggagcg 1740
gaaggacata cttatgaagt atgacaaggg acaccgagct gggctgccag aggacaaggg 1800
gcctgagccc gttggaatca acagcagcat tgatcgtttt ggcatttttc atgagacgga 1860
gctgcctcct gtgactgcac gggaggcgaa gaaaattcgg cgggagatga cacgaacgag 1920
caagtggatg gaaatgctgg gagaatggga gacatataag cacagtagca aactcataga 1980
tcgagtgtac aagggaattc ccatgaacat ccggggcccg gtgtggtcag tcctcctgaa 2040
cattcaggaa atcaagttga aaaaccccgg aagataccag atcatgaagg agaggggcaa 2100
gaggtcatct gaacacatcc accacatcga cctggacgtg aggacgactc tccggaacca 2160
tgtcttcttt agggatcgat atggagccaa gcagagggaa ctattctaca tcctcctggc 2220
ctattcggag tataaccggg aggtgggcta ctgcagggac ctgagccaca tcaccgcctt 2280
gttcctcctt tatctgcctg aggaggacgc attctgggca ctggtgcagc tgctggccag 2340
tgagaggcac tccctgccag gattccacag cccaaatggt gggacagtcc aggggctcca 2400
agaccaacag gagcatgtgg tacccaagtc acaaccaag accatgtggc atcaggacaa 2460
ggaaggtcta tgccggcagt gtgcctcggt aggetgcctt ctccggaacc tgattgacgg 2520
gatctctctc gggctcacc ctgcgctgtg ggacgtgtat ttggtggaag gagaacaggt 2580
gttgatgcca ataaccagca ttgctcttaa ggttcagcag aagcgctca tgaagacatc 2640
caggtgtggc ctgtgggcac gtctgcggaa ccaattcttc gatacctggg ccatgaacga 2700
tgacaccgtg ctcaagcatc ttagggcctc tacgaagaaa ctaacaagga agcaagggga 2760
cctgccacc ccaggcccaa cagccctggg acgaaggtgt gtggcaggaa gccccagcc 2820
agtctgaacc ctgggggcag tcccaggag caccaccat gcccacacg cttccccatg 2880
ccaggcagca cacaccctc cctctgggat cagcagacta caggcgtgtc gtcagtgtca 2940
gaccacaggg gccacacaga gacccaagg actccagaga tgcagccaaa cgcgagcaag 3000
ggtccttggc acccaggcct gtgccggctt cacgtggtgg gaagaccctc tgcaagggtt 3060
ataggcaggg ccctccagg ccaccagccc agttccagcg gccattttgc tcagcttccc 3120
cgccatgggc atctcgtttt tccacgcct gtctggtgg ggctgtccgg gaagacacgt 3180
accctgtggg cactcagggt gtgccagcc tggccctggc tcaggaggga cctcagggtt 3240
cctggagatt cctggagtgg aagtcaatgc cccggctccc aacggacctg gatatagggg 3300
gcccttgggt ccccatatt gattttgaac ggagctgctg ggtccgtgcc atatcccagg 3360

```

aggaccagct	ggccacctgc	tggcaggctg	aacactgcgg	agaggttcgc	aacaaagata	3420
tgagttggcc	tgaggagatg	tcttttatag	caaatagtag	taaaatagat	agacacaagg	3480
ttcccacaga	aaagggagcc	acaggtctaa	gcaatctggg	aaacacatgc	ttcatgaact	3540
caagcatcca	gtgtgtagt	aacacacagc	cactgacaca	gtattttatc	tcagggagac	3600
atctttatga	actcaacagg	acaaatccca	ttggtatgaa	ggggcatatg	gctaaatgct	3660
atggtgattt	agtgcaggaa	ctttggagtg	gaactcagaa	gaatgttgcc	ccattaaagc	3720
ttcgttgga	catagcaaaa	tatgctccca	ggtttaatgg	gtttcagcaa	caggactccc	3780
aagaacttct	ggcttttctc	ttggatggtc	ttcatgaaga	tcttaatcga	gtccatgaaa	3840
agccatatgt	ggaactgaag	gacagtgatg	ggcgaccaga	ctgggaagta	gctgcagagg	3900
cctgggacaa	ccatctaaga	agaaatagat	caattgttgt	ggatttggtc	catgggcagc	3960
taagatctca	agtaaaatgc	aagacatgtg	ggcatataag	tgtccgattt	gaccctttca	4020
attttttgtc	tttgccacta	ccaatggaca	gttatatgca	cttagaaata	acagtgatta	4080
agttagatgg	tactaccctt	gtacggtagt	gactaagact	gaatatggat	gaaaagtaca	4140
caggtttaaa	aaaacagctg	agtgatctct	gtggacttaa	ttcagaacaa	atccttctag	4200
cagaagtaca	tggttccaac	ataaagaact	ttcctcagga	caacccaaaa	gtacgactct	4260
cagtgagtg	attttttgtg	gcatttgaaa	ttcctgtccc	tgtgtctcca	atttcagctt	4320
ctagtccaac	acagacagat	ttctcctctt	cgccatctac	aaatgaaatg	ttcacccctaa	4380
ctaccaatgg	ggacctaccc	cgaccaatat	tcatccccaa	tggaaatgcca	aacactgttg	4440
tgccatgtgg	aactgagaag	aacttcacaa	atggaatggt	taatggtcac	atgccatctc	4500
ttcctgacag	cccctttaca	ggttacatca	ttgcagtcca	ccgaaaaatg	atgaggacag	4560
aactgtattt	cctgtcatct	cagaagaatc	gccccagcct	ctttggaatg	ccattgattg	4620
ttccatgtac	tgtgcatacc	cggaagaaag	acctatatga	tgcgggtttg	attcaagtat	4680
cccgttagc	gagcccactc	ccacctcagg	aagctagtaa	tcatgcccag	gattgtgacg	4740
acagtatggg	ctatcaatat	ccattcactc	tacgagttgt	gcagaaagat	gggaactcct	4800
gtgcttggtg	cccatgggat	agattttgca	gaggctgtaa	aattgattgt	ggggaagaca	4860
gagctttcat	tggaaatgcc	tatattgctg	tggattggca	ccccacagcc	cttcaccttc	4920
gctatcaaac	atcccaggaa	agggttgtag	atgagcatga	gagtgtggag	cagagtcggc	4980
gagcgcaagt	cgagcccatc	aacctggaca	gctgtctccg	tgctttcacc	agtgaggaag	5040
agctagggga	aaatgagatg	tactactggt	ccaagtgtaa	gacccactgc	ttagcaacaa	5100
agaagctgga	tctctggagg	cttccaccca	tccctgattat	tcaccttaag	cgatttcaat	5160
ttgtaaatgg	tcggtggata	aaatcacaga	aaattgtcaa	atttcctcgg	gaaagttttg	5220
atccaagtgc	ttttttggta	ccaagagacc	cggctctctg	ccagcataaa	ccactcacac	5280
cccaggggga	tgagctctct	gagcccagga	ttctggcaag	ggaggtgaag	aaagtggatg	5340
cgcagagttc	ggctggggaa	gaggacgtgc	tcctgagcaa	aagcccatcc	tcactcagcg	5400
ctaacatcat	cagcagcccg	aaaggttctc	cttcttcatc	aagaaaaagt	ggaaccagct	5460
gtccctccag	caaaaacagc	agccctaata	gcagcccacg	gactttgggg	aggagcaaa	5520
ggaggctccg	gctgccccag	attggcagca	aaaataaact	gtcaagtagt	aaagagaact	5580
tggatgccag	caaagaaaat	ggggctgggc	agatatgtga	gctggctgac	gccttgagtc	5640
gagggcatgt	gctggggggc	agccaaccag	agttggtcac	tcctcaggac	catgaggtag	5700
ctttggccaa	tggattcctt	tatgagcatg	aagcatgtgg	caatggctgt	ggcaatggct	5760
acagcaatgg	tcagcttgga	aaccacagtg	aagaagacag	cactgatgac	caaagagaag	5820
atactcgtat	taagcctatt	tataatctat	atgcaatttc	gtgccattca	ggaattctgg	5880
gtggggggcca	ttacgtcact	tatgccaaaa	acccaaactg	caagtggtag	tgttacaatg	5940
acagcagctg	taaggaaactt	caccgggatg	aaattgacac	cgactctgcc	tacattcttt	6000
tctatgagca	gcaggggata	gactatgcac	aatttctgcc	aaagactgat	ggcaaaaaga	6060
tggcagacac	aagcagtatg	gatgaagact	ttgagctctga	ttaccgaaaa	gtactgtgtg	6120
ttacagtaaa	gctaccactc	tggctgctag	acagcttggc	ggttgnaggg	agatggactc	6180
cttggttagct	gacatttggg	caaaagcgtc	cactggaaag	ggcaagctaa	atgtagttat	6240
tttatcctgt	tagaacaaaa	attctaatta	aaatcgttaa	cttgaagagt	agaaacaatt	6300
gtattttgaa	gtctcataca	agctgtctga	tagagaactt	tcaggcagat	cccaccatta	6360
gcctgtaaac	aaaaggtgtg	gcaccagcca	cctgggacca	aataagaatt	gaattgtgct	6420
tgtccagata	tgaacaaata	tgtagttagt	atagagttta	ccaataatca	taacaaatat	6480
taaagatttc	cttggagtc	gaggaaaaaa	caaacaatta	taatgttgtc	tagggacgac	6540
atgatacgct	acctcctttt	tcctgaagtt	ttattccatt	atattgacaa	gatggagaaa	6600
gcaagatcat	gaaggtgtgc	aaatgattct	tacggcatgg	acaaggattt	ttcaatttat	6660
tttttaaact	gtttccatac	cctttctttt	tcttgctttt	tgtttttgcc	atttgtttta	6720
cagtttgaga	cacaaccagt	cattggtggc	aggggcatag	agtggtcagt	ctgaaaggga	6780

g g c t c t c t t a	a g a g c t a t g t	g c c t t c c a a c	c a g a g g g a g a	c c c a g t a g a a	a g a a a a a c a t	6840
c c t g g g a a a t	c c a g c t a c c a	g g g c c c t c c c	a g t g g a g g c a	t c t t a c a t t t	a g g c t a c t t c	6900
a a g t a t c c t c	a g a a t g t a t	t c t g c a c c c c	c g g c c c c g c c	c a t g c t g a g g	g a a g g g g a g c	6960
a g t t g c c a a t	a t t t g c a c c a	t c t t c a c a t g	c a c a t g t t g c	a a c a a g a g c t	t c t g g g a a g g	7020
t a a g c g g c a t	c g g a g c t a g a	t c a c g t t t c a	c a a t t a g t g g	t t a t t c t t t t	c t g t g t t t g t	7080
t t t g c a c t t t	a a a a a a g a g a	g a a c a c a t g c	a a a t g a a c t t	g c t t g t g t g t	a t t t g a a t g g	7140
c t c t a a g g g c	t a t a a a t t a c	a a a c a a a a c a	c a t c c c a g a c	a t t a g g a g t t	c a t a a a g t a t	7200
a t t t a a t g a a	a t t g g t g g t t	t t a g g a a g t c	a a c t t t a g t t	t t g c t t t g t t	t g c a t g t c c a	7260
c t a a t t t t t t	t t a t t t t g a t	a t t a g t c t t t	t t t a a a a a a t	t t t a c a g t a g	t c a t t g a a a g	7320
t t a t g t t t c t	t t g t t t a c t t	c a t t t t t t c c	c t c t a a t t a t	t t a a g a t t g g	a a c a a a a g t a	7380
t a a a t a t t a t	t t a t t t g a g g	t a g a a t t t t t	t t c a t g t a g t	t t c t t a a t a t	a t a c t t g a a g	7440
g a a a t g t t t c	a c c t t a t t t t	t g g t c t t t g t	t t a t t c a t t t	a g a c c c t g c a	a g t t g a t t c t	7500
c a t t g c c a g a	t t c c a t t a c c	c t t t c t t c c t	c a t a g g t a g t	a a t t a c c a a t	g t a a c t a a g c	7560
a t t t g t g t t c	t g a t a t c t g a	g g c c a g t a a c	t a t t a a t a t c	t a g t t c t c a g	a g g c a t t t g g	7620
a a a g g t t a t c	t t a a a t g g c t	a c c t a a a t t g	a a a t c c t t t t	c a g a a a a a a t	a t a a t t g c a a	7680
g t a g g t a g g a	g t g g c c t a a a	t t g t c t a a t g	t a a t a a a g t c	a g a c a a a a t g	c a c a c t t t a t	7740
a g t t t c a a g a	t t t t c a g t a a	a t a a a a t c t g	t c c a t t c c t a	c c t g g a c a t g	t c c c a t t a a a	7800
a a g t g g a a g a	t t t t a a a t a a	t t t c t t t a c a	g a t g t t t t a t	t t a a a c a g g t	a g c a c a a t c t	7860
a c t a a t g t t g	t g t g a t t t g t	g t t a t a c t g g	t t g t a a t t a a	t t t t t t t a a t	t c a t g a a c t a	7920
g c g g a a a a t t	t a t t a a a t t a	a c t a t t a a c t	a c a t t c a c c t	t g t a a a t t a c	t g t a t a a a a c	7980
t t g t t g a c a a	t g c a c t g a c t	t t a g a a a g a t	g t t a a t g t a c	a t a a a t a g a g	t g t a a a t a a a	8040
a t a g t g t t g a	t g t a c t g a a a	t a t g a a c t g t	a t c a a a a g t a	t t g g t a a t t g	t a t a t g g g g t	8100
g t a c c t g t t t	a t c t g t t a a c	t a t t a t c c a a	a c a a a t t a a a	t a c t g t g g t t	g c c t c t a t g t	8160
g c t g t t t t t c	c t c a t a c a a g	t a a a c a c a g a	a a g t c a a a t t	c t t c a g c c t c	c c t c t c t g t g	8220
a t c c t g t t t t	a a t t c t c c t a	c t t g a a a t a t	t t c t t t t c t g a	c t t g t a t a c a	g a g g g g a t g c	8280
t t c a t c t c t g	a a g t t g g a a a	c t c t g t a g a g	c a g g a t t c c c	c a a c t c c t g g	g c t a c a g a c c	8340
a g t a c t g t c c	a t g g c c t g t t	a g g a a c c g g g	c t g c g c a g c a	g g a g g t g a g t	g g c g a g c t g t	8400
a t t t a t a g c c	g c t c c c c c t t	g c t c c c a t t a	c c g c c			8435

```
<210> 6205
<211> 2830
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> (32)...(2331)
<223> similar to gi5640105 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```

<400> 6205						
gtgaaatccc	attctctggc	tggagacaca	gatggcctca	aatgagagag	atgctatatc	60
gtggtaccaa	aagaagattg	gagcctacga	tcagcagata	tgggaaaagt	caatcgaaca	120
gactcagatt	aagggtttga	aaaacaaacc	gaaaaagatg	ggccacataa	agccagactt	180
gattgacgtt	gacttaatca	gagggtcaac	atttgccaaa	gcaaaacctg	aaattccatg	240
gacatctctg	actcggaagg	ggcttgttcg	agttgtattt	tttcatttgt	tcagcaattg	300
gtggattcag	gttacctctt	taagaatctt	tgtttggttg	ttactacttt	atttcatgca	360
agttatagca	attgtcttat	atttgatgat	gcctattgtg	aacataagtg	aagtacttgg	420
acccttggtc	cttatgctac	tcatgggaac	tgtccactgt	caaattgtgt	ctactcagat	480
aacaagacca	tcaggaaaca	atggaaatcg	aagaagaaga	aaattacgaa	aaactgtaaa	540

tggatgatggg	agccgagaaa	atggaaataa	ctcctctgat	aaagtcagag	gaatagaaac	600
tttggaaatct	gtacccatta	ttgggtggttt	ttgggagact	atctttggca	acaggattaa	660
aagagtaaaa	ttaatatcta	acaaagggac	tgaaactgac	aatgacccaa	gttgtgtcca	720
tcctatcatt	aagaggagac	aatgtcgacc	agagattaga	atgtggcaaa	caagagagaa	780
agcaaaaattt	tcagatggag	aaaagtgccg	tagggaggct	tttaggcgtt	tgggtaatgg	840
ggtgtctgat	gacctgtcaa	gtgaagaaga	tggatgaagca	cggacacaga	tgatattatt	900
gcgtaggagt	gtggaagggg	cctcaagtga	caatggttgt	gaagttaaga	atagaaaatc	960
aatactttca	aggcacctaa	actctcaggt	aaagaaaacc	actacaaggt	ggtgtcatat	1020
tgtgcgggat	tcagatagtc	tggctgaatc	agaatttgaa	tcagcagcct	tcagccaggg	1080
ctctagatcg	ggtgtgagt	gtggctctcg	aagcctcaac	atgtcaagaa	gagactcaga	1140
aagcaccgcg	catgactcgg	agactgagga	catgttatgg	gacgacctgc	tacatggccc	1200
agagtgcggg	tcactctgtca	ccagtgcagag	tgagggggcc	catgtgaata	cccttcactc	1260
agggaccaaa	cgtgacccca	aagaggatgt	ttttcagcag	aatcattttat	tctggcttca	1320
gaattcaagt	ccttcctctg	atcgagttag	tgcaataatc	tgggagggga	atgagtgcga	1380
aaagatggat	atgtctgtgt	tggaaataag	tggcatcatc	atgagcaggg	tcaatgccta	1440
tcagcaagga	gtaggttatc	agatgctggg	aaatgttgtc	actattggat	tagcattttt	1500
tccattctta	catcgacttt	tccgtgagaa	gagccttgac	caactaaagt	ccatttcagc	1560
tgaggagatc	ttgactctct	tttgtggggc	accacctgtt	acacctatta	ttgttttgtc	1620
gataattaat	ttttttgaaa	gatttgtgtct	tacttggatg	ttttttttca	tgatgtgtgt	1680
gggcagagag	aacatataaa	acagagattt	ttatttgcaa	aactcttcag	ccatattttac	1740
ttctgccagg	gaaagctagg	gaaatatgaa	atacctcatt	tcagacttaa	gaaggtggag	1800
aatattaaaa	tatggtttatc	actgcgttcc	tatctaaaga	gacggggggc	acagcgttca	1860
gttgatgtgg	tttgtatcct	cggttttcct	actgacactt	tcgattgctt	tcatttgttg	1920
tgctcagggt	ctccaaggga	cataaaactt	tcctggaatg	atgcttatta	actggggagt	1980
ttttgatctg	ggggaaacag	ctttactact	ttttttattg	cgtctggcct	cactgggggc	2040
tgaaaccaat	aagaaataca	gcaatgtttc	aatattactt	acagaacaga	ttaattttata	2100
tcttaagatg	gaaaaaaaagc	caaataagaa	agaacagctt	actctagtaa	acaatgtatt	2160
aaagctgtcc	accaagtgtg	tgaaagagct	ggacacacca	tttagactct	atggactgac	2220
aatgaatccc	ttaatctaca	atatcacaag	agtagttatc	ctttctgctg	tctcagggtg	2280
tataagtgat	cttctaggat	ttaatataag	actgtggaaa	attaaatcat	aagctgagtt	2340
aaatgcctgg	actctccctt	ggctgggtatc	aaaacttacc	tatcaaggaa	agtgatgact	2400
gcagaaacca	gtgagatacc	cacctgcttg	ttcacatgca	caggtgctct	cagctctgcc	2460
aaagcgaatg	aatggtgttt	ccggaggagc	aagtcctttt	ccaactgggt	gtgcatgcta	2520
aaaacctgta	ttttcatgct	tttcaaacia	catgaatagt	cagctgacta	aagactgtgt	2580
gtgttgtgtg	aacacaaaga	caattttgtg	agtttgcgct	tcagtactgt	gacagttatg	2640
tttactggac	atagtctttt	gggcaactat	gatagatgcc	caaagcatga	agcaaatatc	2700
ttttattgga	aatatgcaaa	ttcaatactt	ttccattata	gtctatagaa	ctggagattt	2760
catttctcta	tcaaagagag	atcaagcgaa	ctatttttagg	ttaaatccga	ataaaagaac	2820
tttactggaa						2830

<210> 6206

<211> 895

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (694)...(150)

<223> similar to gi4929763 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters



cggtgaccaa	tcgccggggc	cgccagagc	gcgcttcctt	agtaggtgga	tgggtggtcgg	1260
agcgccgact	cccttctcgt	cgctcgccatt	ttgagctggt	gactgtggcc	ggctgggagt	1320
aggcggcagt	gagtttccct	gggagggcag	cgcgcttggc	gcttctcccc	ttcccccgat	1380
ctgcctccag	tctcggactt	ggttggttgcg	cgctccggct	ccggctgagc	tgggagagtt	1440
ggaggaggtg	gcggcgggca	gaggtgatgt	ctgggagccc	ttccttgaca	gcccggggccg	1500
agaagagtc	ctgcaggaag	catcacccag	gctggcagat	catggtagca	gcagcggggg	1560
tggctgggaa	gtgaaacgga	gccagcggt	gaggaggggc	cccagcagcc	cccgaaggcc	1620
ctatcaggac	atggagtatg	aaagacgtgg	tggctcggtg	gacaggactg	gccgctatgg	1680
agccactgac	cgctcgcagg	atgatggtgg	ggagaaccgc	agccgagacc	acgactaccg	1740
ggacatggac	taccgttcat	atcctcgca	gtatggcagc	caggagggca	agcatgacta	1800
tgacgactca	tctgaggagc	agagtgcgga	ggattcctac	gaggcctccc	cgggctccga	1860
gactcagcgt	aggcggcggc	ggcggcacag	gcacagcccc	accggcccg	cagggtctcc	1920
cccagagcgg	cgactatcgg	gaccaggact	atcggaaccga	gcaaggggag	gaggaggagg	1980
aggaggaggga	tgaggaggag	gaggagaagg	ccagtaacat	cgatcatgctg	aggatgctgc	2040
cacaggcagc	cactgaggat	gacatccgtg	gccagctgca	gtcgcacggc	gtgcaagcac	2100
gggaggttcg	gctgatgcgg	aacaaatctt	caggtcagag	ccgggggcttc	gccttcgctcg	2160
agtttagtca	cttgaggagc	gctacacgat	ggatggaagc	caatcagcac	ttcctcaaca	2220
tctggggcca	gaaggtgtcg	atgcaactaca	gtgaccccaa	gcccgaagatc	aatgaggact	2280
ggctgtgcaa	taagtgtggc	gtccagaact	tcaaaccg	agagaagtgc	ttcaaatgtg	2340
gcgtgccc	gtcagaggca	gagcagaagc	tgccctcgg	cacgaggctg	gatcagcaga	2400
cactgccact	gggtggccgg	gagctgagcc	aggcctgct	ttccctgccg	cagccctacc	2460
aggccagg	agtcctggcc	ttccaagccc	tgtcacagg	ctcgagcca	agctcagaga	2520
acgccaatga	caccatcatt	ttgcgcaacc	tgaaccaca	cagcaccatg	gattccatcc	2580
tgggggccc	ggcaccctac	gcggtgctgt	cctcctccaa	cgtgcgcgtc	ataaaggaca	2640
agcagaccca	actgaaccgc	ggctttgcct	tcatccagct	ctccaccatc	gaggcagccc	2700
agctgctgca	gatcctgcag	gccctgcacc	caccactcac	tatcgacggc	aagaccatca	2760
atgttgagtt	tgccaagggt	tctaagagg	acatggcctc	caatgaaggc	agtcgcatca	2820
gtgctgcctc	tgtggccagc	actgccattg	ctgcggccca	gtgggcccac	cttcacagg	2880
cctcccaagg	tggggaagg	tacctggg	acctccgag	agcctgccc	tcgactacag	2940
tactactcaa	caggatgag	gctatggcaa	cagccagggc	acagagtctt	ccctctatgc	3000
ccatggctac	ctcaagggca	ccaagggcc	tggcatcact	ggaaccaaag	gggatccac	3060
tggagcaggt	cccaggccct	ccctagagcc	tggggccgac	tctgtgtcga	tgcaggcttt	3120
ctctcgcgcc	cagcctgggtg	ctgctcctgg	catctaccaa	caatcagccg	aggcgagcag	3180
tagccagggc	actgctgcca	acagccagtc	gtataccatc	atgtcacccg	ctgtgctcaa	3240
atctgagctc	cagagcccta	cccatcctag	ttctgctctc	ccaccggcta	ccagccccac	3300
tgcccaggaa	tcctacagcc	agtaacctgt	ttccgacgtc	tctacctacc	agtacgatga	3360
gacctccggc	tactactatg	acccccagac	cgccctctac	tatgaccca	actcccagta	3420
ttactacaat	gctcagagcc	agcagtacct	gtactgggga	tggggagagg	cggacctatg	3480
ttcccgccct	ggagcagtcg	gccgacggac	ataaggagac	aggggcaccc	tcgaaggagg	3540
gcaaagagaa	gaaggagaag	cacaagacca	agacagctca	acagattgcc	aaggacatgg	3600
aacgctgggc	ccgcagtctc	aacaaacaaa	aagaaaactt	caaaaatagc	ttccagccta	3660
tcagctccct	gcgagatgac	gagaggcg	agtcagccac	tgcagatgct	ggctatgcca	3720
tctcagagaa	gaagggagca	ctagccgaga	gacagcacac	cagcatggat	ctcccgaaat	3780
tggccagtga	cgaccgcca	agccctccgc	gaggactggt	ggcagccctac	agcggggaga	3840
gtgacagtga	ggaggagcag	gagcgtggg	gccctgagcg	ggaggagaag	ctcaccgact	3900
ggcagaagct	ggcctgtctg	ctctgccgac	gccagttccc	cagcaaagag	gcgctcatcc	3960
ggcaccagca	gctctcagg	ctccacaagc	aaaaccttga	gattcaccgg	cgagccact	4020
tgtcagaaaa	cgagctagaa	gcactagaga	agaatgacat	ggagcaaatg	aagtaccggg	4080
accgtgcagc	tgaacgcaga	gaaaagtatg	gcatccccga	gccgccaag	cccaagaggga	4140
ggaagtacgg	cggcatatcc	acagcctctg	tagacttcga	gcagcctact	cgggacgggc	4200
tgggcagtga	caacattggc	agtcggatgc	tgcaggccat	gggctggaaa	gagggcagcg	4260
gcctggggccg	caagaagcag	ggcattgtaa	cgccatcga	ggcccaaaca	cgggtgcggg	4320
gctccggcct	gggtgcacgg	ggcagctcct	acggggtcac	ctcaaccgag	tcctacaagg	4380
agacactgca	caagacaatg	gtgacccgct	tcaacgaggc	ccagtgcagca	gcttcaagag	4440
caacttctcc	acatgttggg	tgtccatcct	ggggcaggga	aggacagagt	gttggatggc	4500
tgggacgggg	ccttgctctt	gtcggccagc	ccactcccca	gccagagagg	gcttgaccaa	4560
atcaaattga	ggtggtgact	tttgttgga	aattgggctg	ggatcacgtc	ctgttttcta	4620



<210> 6208  
 <211> 2830  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <221> misc\_feature  
 <222> (452)...(2082)  
 <223> similar to gil045197 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 6208

gtcttggtag	cggaggcacc	cgaatgctgc	ccgggtgagt	gtgatgagaa	gccattagag	60
ggttgagtga	agggaaagga	tatccaacga	gaacctcctg	ccctgtgtct	catgaagagg	120
cagtatttca	agaagaggct	taaagctgag	agtgttttgc	taatcagtga	agatgtgact	180
aatgagctgc	tggggaagtc	aagccttcta	tgaggaagcc	aaggcccagc	agagctgaga	240
tgtgactgca	gagccgtcca	accccagtc	tgtgaccttt	ctctgggtgcc	tgatacctct	300
cagcatttga	gggccttttc	tcttcctgct	tcatctctaa	aggtccttct	aggagagagg	360
tgaaagaaac	ctggcaaaga	aaacggtctc	gacaatgagt	aggccaccca	tcactactaa	420
ctacagatga	cttgccattt	catttacaaa	gatgtcttct	gctgctgaaa	atggagaggc	480
agcacctgga	aaacaaaatg	aagaaaaaac	ctataaaaag	actgcatcat	ctgctattaa	540
aggtgctatt	cagctgggaa	taggatacac	agtggggtaa	tctcacttcc	aagccagaac	600
cgagatgttc	ttatgcaaga	cttttatgtg	gtggaaagtg	tgttcctacc	cagcgaaggg	660
agcaatctga	ccccagcaca	tcactaccca	gactttagat	ttaagacata	cgctccatta	720
gcattccgat	atttcagaga	actttttggt	atcaagcctg	atgattactt	gtattccatc	780
tgcagtgaac	ctctaataga	actgtctaac	cctggagcca	gtggatcctt	gttttttgtg	840
accagtgatg	atgaatttat	catcaaaaca	gttcagcaca	aagaagctga	gtttcttcag	900
aagctactgc	caggctatta	catgaattta	aaccagaatc	caaggactct	tttgccaaaa	960
ttttacggac	tgtattgtat	gcaatcagga	ggcattaata	tcaggattgt	ggtgatgaac	1020
aacgttttgc	cacgctccat	gagaatgcac	tttacatatg	acttgaaagg	ctcaacgtat	1080
aagcgaagag	catcccgtaa	agagagagag	aaatccaacc	ccacatttaa	ggacttagga	1140
tttcctgcaa	gacatggcac	ggaagggttg	tattttgata	cggaaacata	caacgcgctt	1200
atgaaaacac	ttcagagaga	ctgccgggtg	ctagaaagct	tcaagatcat	ggattatagc	1260
cttctgtttg	gaattcattt	cctggaccat	tccctcaaag	agaaagagga	ggagacccca	1320
caaaatgtgc	ctgatgctaa	gcggaactggg	atgcagaagg	ttctctactc	aacagccatg	1380
gaatctatcc	agggctccagg	gaaatctgga	gatgggataa	tcacagagaa	cccagacaca	1440
atgggaggga	ttccagctaa	aagccatagg	ggagaaaaac	tacttttatt	tatgggcatt	1500
attgacattc	tgcaatcata	taggtttaatg	aagaagttag	aacattcctg	gaaagctctt	1560
gtttatgatg	gggacactgt	ttctgttcat	agaccaagct	tttatgcaga	cagatttctt	1620
aagttcatga	attccagagt	tttcaagaaa	attcaagctt	tgaaggcttc	accgtctaag	1680
aaacggtgca	attcaatcgc	cgcctaaag	gccacttcac	aggagattgt	gtcctcaatt	1740
agccaggaat	ggaaggatga	gaagcgggat	ttgctgactg	aaggacaaag	ttttagcagc	1800
cttgatgaag	aagccctggg	atcccgcac	aggccagacc	tggctccctag	cactccatca	1860
ctgtttgaag	ctgcttcctt	ggcaaccaca	atttcatctt	cttccttata	cgtcaatgag	1920
cactatccac	acgacagggc	ctatcactct	tatttcaaac	agcaaagggt	taccttccag	1980
ttcaacattt	accttggaag	aggggaccat	ctacttgacc	gctgagccca	acactctgga	2040
agtgcaggat	gacaatgctt	ctgtgcttga	cgtctattta	taagtgaaaa	tggtgatcac	2100
ctaagcacat	ggatgagacg	tgagcacagt	tatggcagag	aagtttctcc	gcaccagaat	2160

tatccacagc	aacttggctg	agccccacta	cacacagaga	aatcatcaac	ctgacttaag	2220
agttttcaag	atgtcaactt	caggctgatc	agcagatggg	atgtgaaaaa	tactacccta	2280
ttctatcatt	tgctgttgct	tgctgaactg	tgaagaactg	catgaactat	atttaagctg	2340
ctttctgtac	cattgccaat	cacctttttg	gagttggaag	tgctattttc	ctatggactt	2400
ttgcattatt	tcattgtgca	tgcatccagt	gattatacat	aagcaacata	tgtaaatctgc	2460
ttatatattt	ttaaaaatcc	atccacacac	attggtaaat	taagtataaa	tccctttgcc	2520
aaaattatag	ttcatatgtc	attgaaaagt	taaaattggt	tcattttaaag	atcaatatac	2580
ctaggtcctg	cccttcaact	tatagaaaac	tagccttcta	taaagatttt	ttcactgttt	2640
acctagttaa	atgagaaaaa	caaagctatt	tataaaaagg	cttatgtcgt	gtacatacat	2700
tgtctttgaa	atattttgtg	tctagtttat	tgcttgtaaa	agagaaaatta	tataatttat	2760
ttagtaaaat	tatagttcat	tactactgta	aactatagtt	ttgtgagaga	aataaaaatat	2820
tttgttctca						2830

<210> 6209  
 <211> 2086  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <221> misc\_feature  
 <222> (1958)...(528)  
 <223> similar to gi632968 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 6209	
gggggtttttt	tccaagccct ttaatttggg
tttaaaccgg	ggcccgggat tttatttttg
ccccccggtt	tttaaatttg gttcttttaa
tcaaatgaag	cacgttatct tatttcacaa
ggtagatgcc	acctggttac ctactcggc
gaggggtgaa	actgtgtgga tggaatagta
gtacaagttc	tttcatatct acactatttc
ggaaggagtg	aactctggct cgttctcttg
cacccactgc	tataaaagat gcaggggggc
cgactggagt	cccacaactt gttgggcggc
tgaagggtct	cacccaaggt cagccgctta
agatcgaaga	gctggtggtg ttctctctgc
cagttctcac	gaacatagcg cccagctgat
taaaaatatt	tctgctttct tgtctttcgg
ctttccatca	tggctagatg ctctctgttg
tagtattcaa	agatgatgca gcctatactc
tcaaggatga	cttctgggtg tcggtaaatg
tgggtcaaagg	tggcactgcc aaagtctacc
tcatctcgct	tcttctctag gttgtaggtg
ttttcaggct	tgaggtctgt atgtgtcagc
cacagctgga	aggccatgtg gcgcacttgg
ttgaggaaat	cgaagggtgct aaggcccaga
tagtcaaacc	agtcaaaccat ctggacacag
attttctcta	gcacgttgat ctcaagtcga
atgatcttca	gggcaactcg agccccaccc
	ctgtaagttg gcaggagagg
	ctgcgatggt

caacacattg	tacaactcgg	ccgaagggtcc	cctctcctaa	ggtgctaacg	atttcatcga	1560
agatgagcgg	ctaaatgtcc	ggctgcgcct	cctccgccgt	ctgtgcttcc	tccggctgct	1620
gcgctggctg	cggtaactgc	tgttctcccc	ctgatattca	taggaatgcc	gatagtctgt	1680
gtcatagtag	gcatctcccc	gatcccggtc	ataatcgttg	ccgtctgtag	ctgccacagt	1740
atcgccgggtc	atacaccctc	cggtcgggacg	aacgatcatc	ataactgctt	cgagaacgga	1800
catggtagct	gtcctctcgc	cgacgcgcgtc	gtgtccgggtc	actactactt	gaccaggagc	1860
gacttcttcg	tcgcttatgc	tttcgggtcc	gatagtgttc	acggtaactc	ccccggctgc	1920
ctcgctctga	ggagtgggtac	cttcgaggat	gcggcatcgt	tctggcggcg	aggcccgtgc	1980
gcttgtccca	caggaagtcc	gtgatggcgg	cgacactgcg	gccggagtcc	cggcaccccc	2040
gcggcgacga	aatgctgctc	caccccccca	acccgggacc	ctggga		2086

<210> 6210  
 <211> 2381  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <221> misc\_feature  
 <222> (153)...(1824)  
 <223> similar to gi32080 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 6210						
cccacgtag	accctagtc	gtgtgggtgga	attcgggtccc	tccctggctg	cgggagagac	60
ggaggtagag	ggaggacaca	gagcgcgcgc	gcccgcacca	cagaccttgc	cctcgccccg	120
ccggttcctc	accctcgggg	agcaacatgg	cagataatct	cagtgatacc	ttgaagaagc	180
tgaagataac	agctgttgac	aagactgagg	atagtttaga	aggatgcttg	gattgtctgc	240
ttcaagccct	ggctcaaaat	aatacggaaa	caagtgaaaa	aatccaagca	agtggaaatac	300
ttcagctgtt	tgcaagtctg	ttgactccac	agtcttcctg	caaagccaaa	gtagctaaca	360
tcatagcaga	agtagccaaa	aatgagttta	tgcgaattcc	atgtgtggat	gctggattga	420
tttcaccact	ggtgcagctg	ctaaatagca	aagaccagga	agtgtgtgctt	caaacgggca	480
gggctctagg	aaacatatgt	tacgatagcc	attcgtttca	agctcagctt	atcaatatgg	540
gtgttattcc	taccttagtg	aaattactgg	gcatccactg	ccaaaatgca	gctcttacag	600
aaatgtgtct	tgttgcatth	ggtaatttag	cagaacttga	gtcaagtaaa	gaacagtttg	660
ccagtacaaa	cattgctgaa	gagctagtaa	aactcttcaa	gaaacaaata	gaacatgata	720
agagaaatga	tttttgaggt	tcttgctcca	ttggcagaaa	atgatgctat	taaactacag	780
ctggttgaag	caggcctagt	agagtgtcta	ctagagattg	ttcagcaaaa	agtggatagt	840
gacaaagaag	atgatattac	tgagctcaaa	actggttcag	atctcatggt	tttattactt	900
cttgagagatg	aatccatgca	gaagttatth	gaaggaggaa	aaggtagtgt	atttcaaagg	960
gtactctctt	ggatcccatc	aaataaccac	cagctacagc	ttgctggagc	attggcaatt	1020
gcaaattttg	ccagaaatga	tgcaaattgt	attcatatgg	tagacaatgg	gattgtagaa	1080
aaacttatgg	atttactgga	cagacatgta	gaagatggaa	atgtaacagt	acagcatgca	1140
gcactaagtg	ccctcagaaa	cctggccatt	ccagttataa	ataaagcaaa	gatgttatca	1200
gctgggggtca	cagaggcagt	tttgaaatth	cttaaatctg	aaatgcctcc	tgttcagttc	1260
aaacttctgg	gaacattaag	aatgtttaata	gatgcacaag	cagaagctgc	tgaacaattg	1320
ggaaagaatg	ttaagttagt	ggagcgtttg	gtggaatggg	gtgaagccaa	agatcatgct	1380
ggtgtgatgg	gggagtcaaa	cagactgctg	tctgccctta	tacgacacag	taaatcaaaa	1440
gatgtaatta	aaaccattgt	gcagagtggg	ggcatcaagc	atctagttac	catggcaact	1500
agtgaacatg	taataatgca	gaatgaagct	cttgttgctt	tggcattaat	agcagcttta	1560
gaattgggca	ctgctgagaa	agatctagaa	agtgtctaac	ttgtacagat	tttacataga	1620

ctgctagcag	atgagagaag	tgctcctgaa	atcaaatata	attccatggt	cctgatatgt	1680
gctcttatgg	gatctgaatg	tctacacaag	gaagtacagg	atgttgcttt	tctagatgtc	1740
gtatccaaac	ttcgcagtca	tgagaacaaa	agtgttgccc	agcaggcctc	tctcacagag	1800
cagagactta	ctgtggaaag	ctgagaactg	cccgatacac	ggcatcatcc	catctctaata	1860
ttccccctctg	tcctccatcc	agcggcttct	tccgcttcat	tctctaccat	accacttgtg	1920
catgcatgtg	atgttctaata	accaattgaa	gaaccgctgt	aggtagctcc	ctaataagat	1980
ttctaaacct	atagtttagtg	tgatcatgac	tttgtcaaag	gcaagtctcc	accataaacc	2040
gttctcttgt	attcctgttg	cttgagctac	attaagtaga	atgtgcatgt	tgtagtccta	2100
tgatgatgta	aacttggtac	tacataatga	cttgctccac	acatgcagta	aactacataa	2160
tgatgtactg	gtaaactaga	aacaaagaat	gcagcaggat	ctgtctagct	tattaaagat	2220
gaaactgaat	tggaaaaata	gctccatttt	ttggtgcttg	ggaagcacag	tgacaaaaaa	2280
agttgtatgg	ctgcttattc	attagtcttt	cctactgatg	tcaaattccat	ggtacctaga	2340
gttaaataaa	attccaatgc	tcttactctt	taaaaaaaaa	a		2381

<210> 6211  
 <211> 2941  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <221> misc\_feature  
 <222> (12)...(1959)  
 <223> similar to gi577299 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 6211	
tttcgtgccg	cgggctccgg cgagggacag acgcaccgat cgccggagggg acagacacac 60
gaccacgcgg	cgccaccgcc cagcctcca cccaccggcg cccaagtcct ccccgcgccg 120
cctcctctgt	atggcacaac ctttcctccc gggacggaac acgctgcctc agggagcccg 180
cgaccgcgcc	ttctcctccg ccggctccat acgctgctga aatgggttgc ggattgaaca 240
agttagagaa	acgtgatgaa aaacggcctg ggaatattta ttcaactttg aagaggcctc 300
aggtggaaac	caagatagat gtgtcctatg aataccgctt cctggagtgc acgactctga 360
gtgctgcgga	gctccctggg tcctcagcag tgaggctggc ctccctgcgt gacctgcccg 420
cccagctcct	ggagctgtac cagcagggct tctcgtggc ggccctgcac cccttcgtgc 480
agccccacca	tgagcggggag aagacgcccc tggagcacat ctttagagcc atcctgatca 540
agaaaaaccga	cagatctcag aaaactgatc ttcaaatga aggctacatc ttggaattag 600
attgctgttc	ctccttagac caccgcagag accagaaact catcccagag ttcattaaga 660
agatccagga	ggctgcaagc cagggcctga aattcggttg tgttatacct cagtaccatt 720
cctctgtgaa	ctcggcaggc agcagtgtc cggtgtctac tgccaacagc accgaggatg 780
ccagagatgc	aaaaaacgca cgtggggatc acgcgtcact ggagaatgag aaaccgggga 840
ctggggatgt	gtgcagtgtc ccggctggga gaaaccaaag cccagagccc agctcaggcc 900
ccacgagggg	aggtgcccc ctccaagcag ccagctcac cctccggaga gggagatggt 960
ggagaacttt	caccacaggg ggtgagcaag acactggatg ggccggagag caacccttg 1020
gaggggtgcat	gaagagccac tctcagggaa aatggagatc ttaccccttt tcaacaaacc 1080
gaagagccat	cagaagtgcc ggcaatacta ccctgtcacc attcctctcc atgtctccaa 1140
gaatggccag	acagtgagcg gtttggacgc caactggtta gagcacatga gcgaccactt 1200
ccggaaagga	ggcatgtctg tgaacgcagt cttctacctt ggaatagtga atgattcctt 1260
acatggcttg	acagatggag tattcatctt tgaagctgtt tccacagaag atagcaaaac 1320
catacagggc	tatgatgcta ttgtggttga acaatggaca gtccctggaag gtgtcgaagt 1380
gcagacagac	tacgtgcccc tgctgaactc gctggcggcc tatggctggc agctcacctg 1440

```

tgtgctacca actcccgtcg tcaagactac cagcgagggg agtgtatcca ccaagcagat 1500
tgtctttctt cagagaccgt gtctacctca gaaaatcaag aagaaggaat cgaagtttca 1560
gtggcgattc tccagagaag aaatgcacaa caggcagatg aggaaatcaa aaggtaaact 1620
cagtgccaga gacaaacaac aagcagaaga aaatgagaag aacttagaag accagtcttc 1680
caaagctgga gacatgggaa actgtgtttc aggacagcag caggaggggtg gagtctccga 1740
ggagatgaag ggccctgtcc aagaggacaa gggagaacag ctgtcccctg gtggcctgct 1800
gtgtgggggtg ggtgtggagg gtgaggctgt gcagaatggt cctgccagcc acagcagggc 1860
cctggtgggg atttgactg ggcactccaa tcctggagag gatgccaggg acggggatgc 1920
tgaggaagtc agagagcttg gtacggttga agaaaactga gtcttgggca atttgtgcta 1980
aaactagggt agttgccaaa cccaaggcat cttaccaaca gctggtttgg gggctggttt 2040
ccctggtggt gtgtgttacc tacccttttg cttggcttga cctctccttg tgagctcacc 2100
tgagccctcc cagggccagg ttcttgacag tgttggtttt tgcacatcca ctggaaaggt 2160
gtcattaatg acccagtgtt agaatgcaag aggtcagggt attctagccc tcatggctga 2220
aggcccatg ctggctccac cactcctcca gccagagggg ctggaccatc cagtgcctgt 2280
cctcgccaca gggcctccag ggagcattcg ggtcaaatcc atggacaccc tgggctacaa 2340
accaaggctg ctgttcatcc cacatcgtgt ggggcagtgt ccatcccctg cagctacttg 2400
gtgacttaac aactccagga gccctgtcag ctgccctcct ccacctaaac cccttcgact 2460
cttctgcttt gacaaagaaa atgacattgg ggaggggagg tgctccgcct cccagctttt 2520
ctcaaaatag tcctatagat actggtaatc tggaaatgaa gaagtaattc tgtctctgca 2580
cctacttttg cagaatgttc aaggaagtat tctgtgttag tattaatgcc aaaaagttgt 2640
ttttaaaggt tttgtactca gcacatcata caaaccacat tacttctgtc acttcagggc 2700
atcgggactg gctggcgccc ttgttatgtg ctattttaat cagtgtaca ttggtcaagt 2760
tgttacccat gtatgctgtg tttatcatgt gtatatcgtc cagaaagtat taaggcttta 2820
ggtagatgca actggcgaa cttggagagg gaatgctgat tgtcttgacc aaaccacag 2880
cctgtctctt ctcttggtta gttacttacg gcaataaatc atctatgagt taaaaaaaaa 2940
a

```

```

<210> 6212
<211> 2206
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(2207)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (2093)...(1184)
<223> similar to gill117984 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 6212
tttttttttt ttacagctgg agaagttact tttattcttg cagttttata ctaggaagtc 60
aacatttaaat aagccatcat ccacaattga ttaaaaatgt ttaatcctta aattgtgcat 120
caatataccta tgactccaaa ttttatttat cactctcctt caagtctgaa gaaaatgatt 180
aatttggttaa gttccacaga cagtacagtc ccactgacat aacatttagt atgatgtcct 240
actctcatat tagaattaag gacagccagt atcaaaactgg cctgaaacct gattgtgttc 300
ctgggttcaga atacctgtag taaatctgta aatccacacc aagacacaac attaaactag 360

```

```

ggtgtgtata tcttataaaa acctttttcac agtaaaaatc aacattaaaa ttttaccaaa 420
ttccaacatt atgggtttttg aatccaatta agcttttcaa atgcctgatt agctgtgaat 480
taattataaa taactttcatg tagtttgccc agcatttcaa aatgggttatg gactatcatg 540
tttaaaatgt caaagtatgc tatacatatt gcacttttct gctaggctgg gctagtatct 600
tccatggcaa gatcctcaaa ctactgaata aaatacactt ttaaataaat ataggtactt 660
gattaatttc cctgaaatta tcaacatcat taccaaaatc ttccaggatt ttgtaagatt 720
tgattcctta aatacagttt taaagttaaa cttatggagg gaaaaaaacc ctcatagatt 780
gactgtaaat tttacgtcct tttttgggcc ctcaatgacc aaagagaatt ttaaacaaat 840
tatgcttcat gtttcctggc ttaataaaaa gctacaattt ttattatcca aattaagaaa 900
tattatacta atcaaaagct attaattttg aaatgtctat gtatgtctgt ctgtaggtcc 960
ccttagaacc tttccaaaca tttataatca agagatttta atcaattatg tactagaatc 1020
atattaaaga aaaacttatt ttgcaaaaat aaaatcactt tccaatatgc ttgacagaaa 1080
caagctattc attttcattt gtgttccact gaagacatta ctgaaatctg tccaatgggt 1140
tatttccaag tgggccacta tgggaattctt cggaatgttt taagattggc tgtagctaga 1200
gttctgactt ccatttggac cctgctctcc ttcactgttt ggagggtggt ttgggtttgg 1260
catcttacta agaatgggtg ccatctcttt tctctcatcg aaattcttcc actgctcata 1320
tagttttaaa ataaccctga ttatttccaa aatcttttcc atatccacag aaagctcagc 1380
aaaccattgc ctggcatctt tctgctgtac aacacaggct acatgtaggc aagctaaaagc 1440
tatcatgaaa ggaggataca gtaggcaaaag atccgttctg taggtatcat tcactatcct 1500
ccatgcaagg ggaagcaaca tgtcttcttg gcccatgtcc tgcacatact ggagcaaagg 1560
tctataagga tgatacacta tcaagcaaca atccattagt tctaacagat agaattcaca 1620
ttctaataa tgattcatcc tataaggaaa ttccttttga aaggcatatg aaaatctagt 1680
ttttaataca gaagtagcag cagcaatcaa tcttgatatt gaaactactc caaattcctc 1740
tactttggat gccaaaaaca cacatgtagg agccattaat acaggatcta tacttttcag 1800
agaatacctg gcatagaatc tcttgaaata taccgtagca gtggcaataa cttgttgtct 1860
taatttaaga tgttcaccta atgcttggat aacatttgta aaaaatatat gtaacttcca 1920
atattcttcc tctgagagaa acttttaaate cttttggcgc tccttcaaca gatcttgttt 1980
atccaaaatc cattgcaaat agtgggagct ctgccaaaag ttccctgccca tggaaacacag 2040
cttgccctga taaaaaagca ccagccggcg gagcggcccg cggagcgacc atagacccag 2100
cccgctcggg aaccgcgctc ctcgatcaaa tcagctcggc tcgactccgc tccgcgtacg 2160
cgtgggtctn cccgggantt tcggagggttn tcgagttgnt tcagat 2206

```

```

<210> 6213
<211> 3572
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (142)...(1983)
<223> similar to gi5354054 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 6213
gacgtgaga ggcaggaggc actagggatc gtccgcagga ttgggactga tacagaggcc 60
gccacggagc ccgcccggagc caccgttctt gctgctgccg ccgctgcccg aatcggaacc 120
gtcgggcccgc agccgcgggc aatgccgcga aggaagagga atgcaggcag tagttcagat 180
ggaaccgaag attccgattt ttctacagat ctcgagcaca cagacagttc agaaagtgat 240
ggcacatccc gacgatctgc tcgagtcacc cgctcctcag ccaggctaag ccagagttct 300
caagattcca gtcctgttcg aaatctgcag tcttttggca ctgaggagcc ctgcttactc 360

```

taccagaaga	gtgacccgta	gtcagcagca	gcctacccca	gtgacaccga	aaaaataccc	420
tcttcggcag	actcgttcat	ctggttcaga	aactgagcaa	gtggttgatt	tttcagatag	480
agaaactaaa	aatacagctg	atcatgatga	gtcaccgcct	cgaactccaa	ctggaaatgc	540
gccttcttct	gagtcctgaca	tagacatctc	cagccccaat	gtatctcacg	atgagagcat	600
tgccaaggac	atgtccctga	aggactcagg	cagtgatctc	tctcatccgc	cccaagcgcc	660
gtcgcttcca	tgaaagctac	aacttcaata	tgaagtgtcc	tacaccaggc	tgtaactctc	720
taggacacct	tacaggaaaa	catgagagac	atttctccat	ctcaggatgc	ccactgtatc	780
ataacctctc	aagctgacga	atgcaagggtg	agagcacaga	acccgggata	agcagataga	840
agaaaggatg	ctgtcttcac	aggcaagatg	acaacaacag	gcattgcaac	caggcaccag	900
gcaccaacgg	agaggcagct	tcgatataag	gaaaaagtgg	ctgaactcaa	gaagaaaaga	960
aattctggac	tgagcaaaga	acagaaagag	aaatatatgg	aacacagaca	gacctatggg	1020
aacacacggg	aacctctttt	agaaaacctg	acaagcgagt	atgacttgga	tcttttccga	1080
agagcacaa	cccgggcttc	agaggatttg	gagaagttaa	ggctgcaagg	ccaaatcaca	1140
gaggggaagca	acatgattaa	aacaattgct	tttggccgct	atgagcttga	tacctggtat	1200
cattctccat	atcctgaaga	atatgcacgg	ctgggacgtc	tctatatgtg	tgaattctgt	1260
ttaaaatata	tgaagagcca	aacgatactc	cgccggcaca	tggccaaatg	tgtgtggaaa	1320
caccacacctg	gtgatgagat	atatcgcaaa	ggttcaatct	ctgtgtttga	agtggatggc	1380
aagaaaaaca	agatctactg	ccaaaacctg	tgctgtttg	ccaaactttt	tctggaccac	1440
aagacattat	attatgatgt	ggagcccttc	ctgttctatg	ttatgacaga	ggcggacaac	1500
actggctgtc	acctgattgg	atatttttct	aaggaaaaga	attcattcct	caactacaac	1560
gtctcctgta	tccttactat	gcctcagtac	atgagacagg	gctatggcaa	gatgcttatt	1620
gatttcagtt	atttgctttc	caaagtcgaa	gaaaaagtgg	gctccccaga	acgtccactc	1680
tcagatctgg	ggcttataag	ctatcgcagt	tactggaaag	aagtacttct	ccgctacctg	1740
cataattttc	aaggcaaaga	gatttctatc	aaagaaatca	gtcaggagac	ggctgtgaat	1800
cctgtggaca	ttgtcagcac	tctgcaagcc	cttcagatgc	tcaaatactg	gaagggaaaa	1860
cacctagttt	taaagagaca	ggacctgatt	gatgagtggg	tagccaaaga	ggccaaaagg	1920
tccaactcca	ataaaaccat	ggatcccagc	tgcttaaaat	ggacccctcc	caagggcact	1980
taaagtgacc	tgtcattccg	agccagcgaa	ccccagcagt	aggaatccgt	accctaggga	2040
tctgtctgtc	atttctctgt	tgctcttggtg	attggcaagt	acagtatcct	ttgggaaggc	2100
catccccctc	aggactgtcc	tggtcccgac	ctttgtgtac	actgcagacg	ctggttctga	2160
ggaactgttg	tttcggcctc	agtgaagttg	cctggatggg	atctgtatta	gacttgagtg	2220
caggctctctc	agcactgacc	caaggagttc	tggtatggta	ctgtacctgt	ccagtccactg	2280
gttctctcct	catgtcctct	cgccccatga	ggttgtgttg	tgtcttctaa	gcgtgggtact	2340
agtgttgcc	acctggtcac	cagacctcca	aatatggctg	ccaccaccag	gacctttcca	2400
gttactcctt	atatgtgtgt	tctatggagg	ggcagggaaa	aggtggcact	tgtgagtgtg	2460
tgtggattgg	caggggggtcc	attcactttg	ggttccatct	tgctttaaat	ttcttcattt	2520
tgattaagag	acctcttttt	gatctgtatt	gggctaacca	gagccaaata	cttttgaaga	2580
gtttcccagg	gactagtcat	ggtaatatga	tataattgat	ctgaatgaga	tggagagaag	2640
aatgaagggg	tggtgggttct	gggtttgatt	tgagttcacc	tgtgggcagt	gggcagtggg	2700
cagtgtcttg	gtgaaaggga	acggatacta	ctttttgcct	caccgtaaag	tactcactag	2760
taaatatattc	cttctctctt	tactcccact	ttttacgttt	gcaggtgcc	aagtaatgtc	2820
cacttttccc	tttcatgctg	catattaact	ggttaattat	actgcagaaa	ccttttcacc	2880
tccactagtc	tgatacagta	catctgtact	tccatatacc	ttgcaactgat	tttgtctgag	2940
tgccctggga	gaagtagaaa	atgattgaaa	gtgacttccg	tatctcagcc	catgactcag	3000
caaggcagaa	tggccacccc	tgccaaagtt	tgcttctctt	ttcaacagtg	cctcaccctc	3060
cctctaggat	taaagtgtct	ctgccccttc	acgaactcct	cctccatttc	ctttttggga	3120
tttgtcacca	tccttctatt	ctctgggtctt	ctatttttgg	tgttgttcaa	gtgaagggaag	3180
agatgttccc	cttaatttct	ctctagccca	ttataacctg	ctatcttggg	gcaacttttg	3240
atgtatgaca	tgtcaccctt	cccaacttgg	cttctcccaa	catgctgtct	tcatgtggag	3300
ccctcaccac	aatccctgac	tccggtcatt	tgtgcctttc	tcttgtcatc	tctgtacact	3360
acttatattc	actgtgggtt	gggggagcta	attttaagca	tgttcagtgg	cagctcccct	3420
ccagtttcag	tgtcactgtt	aaaatttatc	aaaaagcaac	ttcactaggg	gttttcttaa	3480
gggataaagg	cctttttacag	aagctaaacc	cttccccaca	tgtggtagaa	tgtgctcttc	3540
tatatctact	cctcaataaa	gcattgttctc	tg			3572

<210> 6214  
 <211> 1556  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <221> misc\_feature  
 <222> (1170)...(431)  
 <223> similar to gil397235 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 6214

tttttttttc	atagttcata	gtttattaca	aatgcatatt	atccaactca	gtagaaatcc	60
atgtacccca	gaatgtacag	aaggatatgca	atgttccaga	gtgtcattgt	cagctctggt	120
tttatatata	tattaaatat	atacatat	tgagacaggg	tctcgctgtc	acccaggctg	180
gagtgcagtg	gcacaatctc	agctcactgc	aacctctgcc	tcccagcctc	aagagatcct	240
cccacctcat	ccttctgagt	agctgggact	acatgcgcat	gccaccacac	ccagctatta	300
tttttatttc	tttttgtaga	gacaagggct	cactatgttt	ctcaggctgg	tcttgaactc	360
ctgggtctcaa	gtgatccttc	tgccttggcc	tcccaaagtg	ctggaattat	aggcatgagc	420
cactgagcct	ggcctgatta	tctgtttttt	gaatagtgac	cctaattgtc	ttttccagtt	480
ccagtaactt	ttgataaaat	ttttcagcag	tgtcttcata	taggtccatc	ttctgggtca	540
taatataatt	tcttccaaag	ccagtggtgg	cactcagata	tttgatcaga	ggattgagag	600
attcaggctt	ttggtggaaa	agccatacca	gagcttctgt	tccattatat	ggtgtcaaag	660
tgaatgcatt	tgcaaaaaag	cgaagtagca	atattgccgg	catcaacagc	gtccatataa	720
acggaggcag	aattccatat	gtcaaattgg	tcaatgctgt	acctggacag	gccacattgg	780
aatagagacc	ctgctgggtg	aagttcctgt	tcaaagccac	actcaaaagg	tcagtggcat	840
atttggaaga	gctgtagggt	tccttgccct	tgctgtgctg	gaagtcctcg	aggctgaaat	900
tagatttcct	tgcattgcga	gatgatgtcc	agatgagctg	agatggattg	tcactgtgac	960
agaggagagg	ctccagttcc	cgaatcagga	taaaatggcc	aaagacatcg	gtctcaaaca	1020
cctcctgaag	tccatcagca	gtgatcttat	caccctgggt	cagcaggcct	tcagcttgaa	1080
aagaggccaa	agagaagtgc	tttgatat	agttgtggat	taggcatgat	cccagcattt	1140
agatatatac	agtctaattc	ctgaaacctg	caagtaaacc	accaaacaag	attgtgagtt	1200
gcaagtaaaa	acatcaggac	aagatttgtg	attctatctc	tagagtgact	agattcaagg	1260
aggcctaaga	aagacaaaaa	atacttttta	aattaataaa	ttagcccaca	gcaagctcag	1320
aagaatztat	agccatttag	agttacagca	tttctttctc	aacagttttt	ctttagctac	1380
agtaaacatt	tgagaattct	ttctttggta	gtggcttcaa	acagaatctg	tggagtcata	1440
gtggacttta	agtaaaacct	ctgatcaata	attccttcca	gctctgtcct	ctcaataagg	1500
aattgcagca	accctttaac	ttttaaaccc	cctctcctca	tcttaciaaag	tctctt	1556

<210> 6215  
 <211> 2761  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <221> misc\_feature  
 <222> (197)...(2611)  
 <223> similar to gi2230871 in the genepept database release 114,



Run with FASTXY 3.3t00, default parameters

```

<400> 6215
gcccgactct aacatggcgg cgccctttgt ctgctctgga gtgccgtccc cggccttctc 60
gcggccgtga tgcacctccc tctgcggtgg ggtccgggac atggcaggta atgagccgga 120
cgaggggagc caagctggag tttacacagg caaactgtca gaaaagagta gcctgggctg 180
tctggaaatc tgagccatgg actttcccca gcacagccag catgtcttgg aacagctgaa 240
ccagcagcgg cagctggggc ttctctgtga ctgcaccttt gtggtggacg gtgttcactt 300
taaggctcat aaagcagtgc tggcggcctg cagcagtagc ttcaagatgc tcttcgtgga 360
ccagaaggac gtggtgcacc tggacatcag taacgcggca ggccctggggc aggtgctgga 420
gtttatgtac acggccaagc tgagcctgag ccctgagaac gtggatgatg tgctgcgccg 480
tggccacttt cctccaaatg caggacatca tcacggcctg ccatgccctc aagtcacttg 540
ctgagccggc taccagccct gggggaaatg cggaggcctt ggccacagaa ggaggggaca 600
agagagccaa agaggagaag gtggccacca gcacgtgag caggctggag caggcaggac 660
gcagcacacc cataggcccc agcagggacc tcaaggagga gcgcggcggg caggcccaga 720
gtgcggccag cgggtgcagag cagacagaga aagccgatgc gccccgggag ccgccgcctg 780
tggagctcaa gccagacccc acgagtggca tggctgccgc agaagctgag gccgctttgt 840
ccgagagctc ggagcaagaa atggagggtg agcccggccc gaaaggggaa gaggagcaaa 900
aggagcaaga ggagcaagag gaggagggcg cagggccagc tgaggtaag gaggagggtt 960
cccagctgga gaacggagag gccccgagg agaacagaa tgaggagtca gcgggcacag 1020
actcggggca ggagctcggc tccgaggccc ggggcctgcg ctacggcacc tacggcgacc 1080
gcacggagtc caaggcctac ggctccgtca tccacaagtg cgaggactgt gggaaggagt 1140
tcacgcacac ggggaacttc aagcggcaca tccgcatcca cacgggggag aagcccttct 1200
cgtgccggga gtgcagcaag gccttttccg acccggccgc gtgcaaggcc catgagaaga 1260
cgcacagccc tctgaagccc tacggctgcg aggagtgcgg gaagagctac cgcctcatca 1320
gcctgctgaa cctgcgcaag aagcggcact cgggcgaggc gcgctaccgc tgcgaggact 1380
gcggcaagct cttcaccacc tcgggcaacc tcaagcgcca ccagctggtg cacagcggcg 1440
agaagcccta ccagtgcgac tactgcggcc gctccttctc cgaccccaact tccaagatgc 1500
gccacctgga gacccaagac acggacaagg agcaaatg cccacactgc gacaagaagt 1560
tcaaccagggt agggaaacctg aaggcccacc tgaagatcca catcgctgac gggcccctca 1620
agtgccgaga gtgtgggaag cagttcacca cctcagggaa cctgaagcgg caccttcgga 1680
tccacagcgg ggagaagccc tacgtgtgca tccactgcca gcgacagttt gcagaccccg 1740
gcgctctgca gcggcacgtc cgcattcaca caggtgagaa gccatgccag tgtgtgatgt 1800
gcggtaaggc cttcaccag gccagctccc tcatcgccca cgtgcgccag cacaccgggg 1860
agaagcccta cgtctgcgag cgctgcggca agagattcgt ccagtccagc cagttggcca 1920
atcatattcg ccaccacgac aacatccgcc cacacaagtg cagcgtgtgc agcaaggcct 1980
tcgtgaacgt gggggacctg tccaagcaca tcatcattca cactggagag aagccttacc 2040
tgtgtgataa gtgtgggcgt ggcttcaacc gggtagacaa cctgcgctcc cacgtgaaga 2100
ccgtgcacca gggcaaggca ggcatcaaga tcctggagcc cgaggagggc agtgagggtca 2160
gcgtggtcac tgtggatgac atggtcacgc tggctaccga ggcaactggc gcgacagccg 2220
tcaactcagct cacagtgggtg ccggtgggag ctgcagtgac agccgatgag acggaagtcc 2280
tgaaggccga gatcagcaaa gctgtgaagc aagtgcagga agaagacccc aacactcaca 2340
tcctctacgc ctgtgactcc tgtggggaca agtttctgga tgccaacagc ctggctcagc 2400
atgtgcgaat ccacacagcc caggcactgg tcatgttcca gacagacgcg gacttctatc 2460
agcagtatgg gccaggtggc acgtggcctg ccgggcagggt gctgcaggct ggggagctgg 2520
tcttcgcccc tcgcgacggg gctgagggcc agcccgcact ggcaagagacc tcccctacag 2580
ctcctgaatg tccccgcct gccgagtgag ctggcgggcc ttctgactgt ttatttaagg 2640
atggatggca ccctggaacc gggaagggtg gcctgttccc tagagagaat aaattggatt 2700
atTTTTTaaa aaaaaaaacc tcgtgccaaag cttggggtaa tgagtgaat cagctttcga 2760
t

```

<210> 6216  
 <211> 1806  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <221> misc\_feature  
 <222> (53)...(1202)  
 <223> similar to gi2505957 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 6216  
 ggccaagtgc cgccatgctc agggcactgt cctgtaccga gacagccaca tcaccaacct 60  
 caaggggctg aacctacca cacctggtga gagtgcggc ttctgtgcc acaagctgcg 120  
 tgtggcctg ccgctgctca gcagcggggg acaggtggct gtgcttgagc tacggaagcc 180  
 tggcgcctg cccgacacgg cactgcccac gctgcagaat ggggcagctg tgactgatct 240  
 ggccctgggac ccctttgacc cccatgcct cgctgtggct ggtgaggacg ccaggatccg 300  
 actgtggcgg gtaccgcag agggcctgga agaggtgtc accacgccag agactgtgct 360  
 cacaggccac acggagaaga tctgtccct gcgcttcac cactggcag ccaatgtgct 420  
 ggccctcgcc tcctatgacc tcaactgtcg catctgggac cttcaggctg gagctgatcg 480  
 gctgaagctg cagggccacc aagaccagat cttcagcctg gcctggagtc ctgatgggca 540  
 gcagctggcc actgtctgca aggatggggc tgtgcgggtc tacaggcccc ggagtggccc 600  
 tgagcccctg caggaaggcc cagggccaa gggaggacgc ggagctcgca ttgtctgggt 660  
 atgtgatggt cgctgtctgc tgggtgtctg ctttgacagc caaagtgage gccagctgct 720  
 cctatatgaa gctgaggccc tggcggcgg acccttggca gtgttgggccc tggacgtggc 780  
 tccctcaacc ctgctgcccc gctacgaccc agacactggc ctggtgctcc tgaccggcaa 840  
 gggcgacacc cgtgtattcc tgtacgagct gctccccgag tcccccttct tcctggagtg 900  
 caacagcttc acgtgcctg acccccacaa gggcctcgtc ctctgccta agacggagtg 960  
 cgacgtgcgg gaagtggagc tgatgcggtg cctgcggctg cgtcagtcct cctggagcc 1020  
 tgtggccttc cggtgcccc gagtccggaa agagtctctc caggatgacg tgttcccaga 1080  
 cacggctgtg atctgggagc ctgtgctcag tgccgaggcc tggctgcaag gcgctaattg 1140  
 gcagccctgg cttctcagcc tgcagcctcc tgacatgagc ccagggtgcac cgagggactg 1200  
 ggtgtgggga ggaagcggga tgggggttg agaaaggac agaaggcca ggttgaagtt 1260  
 ccattcctgt tggcacgcag aatcctctgg cctttgggag ggtggagtgg ctgtgtcaat 1320  
 cagtctctga gccagtggag ggcagggtc gtggtctgtg tttcatcac aggtccccac 1380  
 ccctaacaca cacacacag cacacactgt ggtgtctagg gcagggtta tacagtgagg 1440  
 ctccattgac tgttaatacc acctcttaga tctgcgccat agaaatcccc tatgtcggcc 1500  
 aggcgcggtg gctcatgcct gtaatccag cactttatga ggctgaggcg agtggatcac 1560  
 ctgaggctcg gggtttgaga ccagcctggc caacatggtg aaaccccatc tctactaaaa 1620  
 atacaaaatt agcctggcgt ggtgggcgcc tgcaatccca actactccag aggtgaagc 1680  
 aggagaatcg cttgaacca gaggaggcgg aggttgagc cagcctaggt cacatcattg 1740  
 cactccagcc tgggcaacaa gagcaaaact ccatctcata aaaaaaaaaa ggggggcgcc 1800  
 tttaac 1806

001210"5223460

<210> 6217  
 <211> 3023  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <221> misc\_feature  
 <222> (71)...(1928)  
 <223> similar to gi5596702 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 6217

gcgggtgaac	gacgcttcgt	gcggcccgtc	tggtctgtac	acataccagg	tgagcagaca	60
cagcacggag	atgctgcaca	acctgaacca	gcagcgcaaa	aacggcgggc	gcttctgcga	120
cgtgctcttg	cgggtaggcg	acgagagctt	cccagcgcac	cgcgagatg	ctggccgcct	180
gcagcgagta	ctttgagtcg	gtgttcagcg	cccagttggg	cgacggcgga	gctgcggacg	240
gggggtccggc	tgatgtaggg	ggcgcgacgg	cagcaccagg	cggcggggcc	gggggcagcc	300
gggagctgga	gatgcacact	atcagctcca	aggtatttgg	ggacattctg	gacttcgcct	360
acacttccccg	catcgtggtg	cgcttggaga	gctttcccga	actcatgacg	gccgccaagt	420
tcttgctgat	gagggtcgggt	atcgagatct	gccaggaagt	catcaaacag	tccaacgtac	480
agatcctggt	acccccctgcc	cgcgccgata	taatgctctt	tcgccccctt	gggacctcgg	540
acttgggctt	cccttttgac	atgaccaacg	gggcagcctt	ggcagccaac	agcaatggca	600
tcgccggcag	catgcagcca	gaggaggagg	cagctcgggc	ggctggtgca	gccattgcag	660
gccaaagcctc	tttgctgtg	ttacctgggg	tggaccgctt	gcccattggtg	gctggacccc	720
tatcccccca	actgctgact	tccccattcc	ccagtgtggc	atccagtgcc	cctcccctga	780
ctggcaagcg	aggccggggc	cgcccaagga	aggccaacct	gctggactca	atgtttgggt	840
ccccaggggg	cctgagggag	gcaggcatcc	ttccatgcgg	tctatgtggt	aaggtgttca	900
ctgatgccaa	ccggctccgg	cagcacgagg	cccagcacgg	tgtcaccagc	ctccagctgg	960
gctacatcga	ccttcctcct	ccgaggctgg	gtgagaatgg	gctacccatc	tctgaagacc	1020
ccgacggccc	ccgaaagagg	agccggacca	ggaagcaggt	ggcttgtgag	atctgcggca	1080
agatcttccg	tgatgtgtat	catcttaacc	ggcacaagct	gtcccactct	ggggagaagc	1140
cctactcctg	ccctgtgtgt	gggttgcggt	tcaagagaaa	aagaccgcat	gttccttacc	1200
atgttgcggt	cccatgatgg	ggtccgtggg	caagccttac	atctgccaga	gctgtgggga	1260
aaggcttctc	caggcctgat	cacttgaacg	gacatatcaa	gcaggtgcac	acttctgagc	1320
ggcctcacia	gtgtcagacc	tgcaatgctt	cttttgccac	ccgagaccgt	ctgcgctccc	1380
acctggcctg	tcatgaagac	aaggtgccct	gccaggtgtg	tgggaagtac	ttgcgggcag	1440
catacatggc	agaccacctg	aagaagcaca	gcgagggggc	cagcaacttc	tgcagtatct	1500
gtaaccgaga	aggccagaaa	tgctcacatc	aggatccgat	tgagagctct	gactcctatg	1560
gtgacctctc	agatgccagc	gacctgaaga	cgccagagaa	gcagagtgcc	aatggctctt	1620
tctcctgcga	catggcagtc	cccaaaaaca	aaatggagtc	tgatggggag	aagaagtacc	1680
catgccctga	atgtgggagc	ttcttccgct	ctaagtccca	cttgaacaaa	cacatccaga	1740
aggtgcattg	ccgggctctc	gggggcccc	tgggggacct	gggccctgcc	cttggtcac	1800
ctttctctcc	tcagcagaac	atgtctctcc	tcagtcctt	tgggtttcag	attgttcagt	1860
cggcatttgc	gtcatcttta	gtagatcctg	aggttgacca	gcagcccatg	gggcctgaag	1920
ggaaatgagg	cagctgctgt	gtccccacgg	aaacaaccat	ctggggactg	ctgggaaatg	1980
ctgtgaatgc	ggagggaagt	gatgtttggg	ttctgtagct	gagagatttt	tattcatttt	2040
taactgcccc	ccaacccac	tccaactcct	tctccaccac	ccattctccc	aatggctctt	2100
agaaatagat	tttcatctga	tattctgcag	aaatatcaat	gagacttggt	atgggacagg	2160
ggcagaaaac	actacatagg	cctccaaggc	aaaaaccagt	tcccagtttc	tttaaatggg	2220
gaagaagctg	gaattcctgg	tgctcaattc	ttagtgaccc	caatcctata	cccaaatacta	2280
tgatattctg	ggacctcagt	gattttgggtc	ccctccact	tctctagttc	gtcatcctcc	2340
cttcccatat	ccttcaaaaag	aaccacacta	gggtctccac	ctacttatac	aatgcgggatg	2400
cccaactggt	tttaaggaag	ccagaagcat	cccatggacc	atgggggtgag	tgtcctccaa	2460

```

gagccccctg agctcagccc tctgcctgga gggtccaga cctttctgag ccctgcttgg 2520
aggcgagcat tttcactgct aggacaagct cagctgttga ggacaccccc accccaaatt 2580
tcagttctta cgtgatttta accattcaac atgctgttgg gttttaattc tctaattatt 2640
attattattg gtattatttt ttaggaccag ttgtagtga ttgctactga aagctatccc 2700
aggtgatata gagctctttg taaaccgcag tcacacatta gggtagtat taaactttgt 2760
ttagatgtac cataattaac ttggctagtt gattgtttga agtctatgga agaaatagtt 2820
ttatgcaaaa ttttaaaaaa tgccagtctg gtcagggaag taggggggtt caatgctgtt 2880
gggaaccagg aaggtgggac agccggcagg tagggacatt gtgtacctca gttgtgtcac 2940
atgtgagcaa gccaggttg accttgtgat gtgaattgat ctgatcagac tgtattaaaa 3000
atgttagtac attaaaaaaa aaa 3023

```

```

<210> 6218
<211> 1572
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1187)...(777)
<223> similar to gi5531821 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 6218
tttttttttt ttacatcaaa atgtctttta tttgagacac aaaaatgcaa aattgctgag 60
atatcaaaca tttcccgatc agctacaata ctgccactat gtacaaaaga tctgatgata 120
aatgtgcaca catataaaaa tacagtatgc attacttatg tacagtacat gtgcaaatg 180
tatggcattc aaacatgata tggaattgat ttcagggttg caaacagcaa atacaaaggc 240
atcatggttt ttctttttaa aaacaacata aaggcaatag atgaatggac ccccgattgc 300
cataattttt tgttgattaa actagtgcct caacaagcag ggctctgtag attgggtatct 360
ttctcctttt tttcataaag tgagatgcta agacataatg tgacaatgaa aataagaaga 420
gaaacaccta tcacattgca tttctattgc aagcaagaaa agaaaactaa tttctacata 480
gaaaaaaaaa tttgtattac tactgaatgt tactctttaa ccaacaaaac aactctatac 540
tattttacat gaaaacaata agagaaatat ctacatctta gtgaaaatta taacctttaa 600
tggaataaac ctttttgggg ctgatttttg agatctcatt agtctcaaat tttaaataaa 660
aagtgcctcc ttttggcaaa tacttggcaa tgccctttgg tccctttaaag caagtttgca 720
ttactatttg ttacttgagg tcaagtactt ttggtagata ctaaaccctt tcctaaatgc 780
ttcctcttcc taccaaatta gcaagattcc ttacagcatc acgtagagag gtaattgtta 840
cgagtttcag tattctataa actttgttaa agctttgtct tagtagtttg cataaagctc 900
tggttaaaca tatagatgtg atgatatctc tgataacata ttttatttga tccccgacag 960
caccttgtag atccgagatt gccatcttat tgtcacaaag ctgtgacacc acagagcaaa 1020
gtgtttgcat ggagggttaag agctcttctg taaacatgtg cagcttttctg aattgtaggc 1080
cttccatgaa agatttcagg tagaaacct ttgtaatgat gtgtttccct ggatactgca 1140
agaaagggcg aatgtgga aaacacgcac ctgctcattg ccatgcagac agagtcactt 1200
tacaataaaa aatgtagctc agagagactg ctgaatgagc aagttattga aggtttgaac 1260
caggaaaaaa aaattactac atcttagttg ttttccagtt ttgactgaaa tcacttaaaa 1320
gatgagttga aatgcagtta ggatgctctc cagatacaca ctgatgcatt tgaagctat 1380
gttccttgaa aaacctgacc ttccagttaa tgttctttga taattttggg ctaattctgt 1440
ggcctctagg gcggtgggac gatttgtatg ggtattctct tgtcagtatt caatattcat 1500
gtttacagta gcagatattg aaaaatggag ggttatttgt gaatttggtt aaattgacac 1560
atgttgctct gc 1572

```



ggcctcatct	cccactgagc	aggtgccatc	ccaggagatg	ccactgttgg	cgagaccttc	2280
ccctcctgtg	cagtctgtgt	cccctgctgt	gcccacacct	ccctcgatgt	ctgctgccct	2340
gcctttccct	gcagggtggc	ttggcatgcc	ccccagtcgt	ccccacctc	ccttgacagc	2400
tcctagtctt	ccattgtcta	tggggccagt	actacctgat	ccgtttactc	actatgcccc	2460
cttgccatcc	tggccttggt	atcctcatgt	gtccccttct	ggctatcctt	gcctgcccc	2520
cccaccaacg	gtgcccctag	tgtctggtac	tcctggtgcc	tatgccgtgc	ctcccacttg	2580
cagtgtgcct	tgggaccccc	ctcctgcccc	agtctcacct	tacagttcca	catgtacctt	2640
tgggcccctg	ggatggggcc	cagggcctca	acatgctcca	ttctggtcta	ctgttcccc	2700
acctcctttg	cctccagcct	ccattgggag	agctgttccc	caacctaaaa	tggagtctag	2760
gggcaactca	gctggccctc	ctgaaaatgt	acttcccttg	tcgatggctc	ctcccctcag	2820
tcttgggcta	cctggccatg	gagctcctca	gacagagcct	accaaggtgg	aggtcaagcc	2880
agtgcctgca	tctccccatc	cgaaacacaa	ggtgtctgcc	ctggtgcaaa	gtccccagat	2940
gaaggctcta	gcatgtgtgt	ctgctgaagg	tgtgactgtt	gaggagcctg	catcagagag	3000
gctaagcct	gagacccaag	agaccaggcc	cagggagaag	cccccttgcc	ctgtacctaa	3060
ggctgttccc	acaccaaggc	agagcactgt	ccccaaagctg	cctgctgtcc	accagccccg	3120
tctaaggaag	ctgtccttcc	tgcctacccc	acgtactcag	ggttctgaag	atgtggtaca	3180
ggctttcatc	agtgaatttg	gaattgaggg	atcggaacctg	tccagtctgc	tggagcagtt	3240
tgagaaatca	gaagccaaaa	aggagtgtcc	tcctccggct	cctgctgaca	gcttggctgt	3300
aggaaactca	ggcggcggtg	acattcccca	ggagaagagg	cccctagacc	ggttacaagc	3360
cccagaactg	gccaacgtgg	cagggctcac	ccctccagct	acccctcccc	accagttatg	3420
gaagcccctg	gctgctgtct	cactgctggc	caaagccaaa	tctcctaagt	ccaccgcccc	3480
ggaggggaacc	ctgaagcctg	aaggagttac	ggaggccaaa	catccagctg	cagttcgctt	3540
ccaagaaggg	gtccatggcc	ctagtcgagt	ccatgtgggc	tctggggacc	atgactattg	3600
tgggtccggag	caggaccccc	ccccaaaaag	atgcctgccc	tactcattcc	agaggtgggc	3660
tcctgatgga	atgtcaagcg	ccatcaggac	atcaccatca	aacctgtctt	gtccttgggc	3720
ccagctgccc	ctccgcccc	atgcatagct	gcctcccggg	agccgcttga	tcacaggact	3780
agcagtgagc	aggcagatcc	ctcagcacc	tgccttgccc	catccagctt	gctgtcccct	3840
gaggcctcac	cctgccggaa	tgacatgaac	actaggactc	cccctgaacc	ctcagccaag	3900
cagcgggtcaa	tgcgctgtta	ccgaaaagcc	tgcaggtcag	ccagcccctc	aagccagggc	3960
tggcaggggc	gccgaggccg	caacagccgt	tctgtcagct	ctgggtccaa	ccggactagc	4020
gaagcatctt	cctcatcctc	atcatcgtct	tcctcatccc	gatctcggtc	caggtccctc	4080
tccccccac	acaagagggtg	gcgaagggtcc	agctgtagtt	cctctggacg	ttctcgaaga	4140
tgtcttctct	cttcttcgtc	atcatcttcc	tcttcgtctt	cctcatcctc	atcatccagt	4200
tctcgaagcc	gctcacgata	cccatcccc	cgccggagaa	gtgacaggag	gcggcggtac	4260
agctcttata	gttcacatga	ccattaccaa	aggcaaaagag	tgctacaaaa	ggagcgtgca	4320
atagaagaaa	gaagggtggg	cttcattgga	aagataacctg	gccgcatgac	tcgatcagag	4380
ctgaaacaga	ggttctccgt	ttttggagag	attgaggagt	gcaccatcca	cttccgtgtc	4440
caaggggaca	actacggctt	cgctacttat	cgctatgctg	aggaggcatt	tgacgccatt	4500
gagagtggcc	acaagctgcg	gcaggcagat	gagcagccct	ttgatctctg	ctttgggggc	4560
cgaaggcagt	tctgcaagag	gagctattct	gatcttgact	ccaaccggga	agactttgac	4620
ccagcacctg	taaagagcaa	atttgattct	cttgactttg	acacattggt	gaaacaggcc	4680
cagaagaacc	tcaggaggta	accttggggc	cttccctgct	atcctttttc	tcctttggag	4740
gtgcccacc	tcctccaccc	ccttccccta	ctctagggga	gagagctgct	agtgaatga	4800
ctgttttata	aagaaatgga	aaaaagtga	ataaaaaata	tggtgaatca	gattttttta	4860
aaaggggtat	ttggtttttt	tataaacagg	tattgaaaca	agttaacttg	cattccctatg	4920
taagatagga	ggggtgag	ggatccccag	tgtttggaac	ataagtcact	atgcagacta	4980
ataaacatca	actagagaga	actcca				5006

<210> 6220

<211> 1169

<212> DNA

<213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (97)...(1106)  
 <223> similar to gi5870328 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 6220  
 gtccagtgtg gtggaattcc gtcgtctcta tgggtggcggc ggatttggag ggaccctacg 60  
 aaccaggagt caggcgagcc gatctggggc tgcaggatgt tccgctggga gcgctccatt 120  
 cccctgcgag gctcggccgc cgccctgtgc aacaacctca gtgtgctgca gctgccggct 180  
 cgcaacctca cgtattttgg cgtggttcat ggaccaagcg cccagcttct cagcgctgct 240  
 cctgaggggtg tgcccttggc ccagcgccag ctccacgcta aggaggggtgc tggagtgagt 300  
 cccccactta tactcagggt ccaactgggt gtccctccct tccgagtgtc gctgggtactc 360  
 acctcacatc gaggaatata gatgtacgag tccaatggct acaccatgggt ctactggcat 420  
 gcaactggact ctggagatgc ctccccagta caggctgtgt ttgcccgggg aattgctgcc 480  
 agtggccact tcatctgtgt gggaacgtgg tcaggccggg tgcgtgtgtt tgacatccca 540  
 gcaaaggggtc ccaacattgt actgagcgag gagctggctg ggcaccagat gccaatcaca 600  
 gacattgccca ccgagcctgc ccagggacag gattgtgtgg ctgacatggg gacggcagat 660  
 gactcagggt tgctgtgtgt ctggcggtca gggccagaat tcacattatt gaccgcgatt 720  
 ccaggatttg gagttccgtg cccctctgtg cagctgtggc aggggatcat agcagcaggc 780  
 tatgggaacg gacaagtga tctatatgag gccactacag gaaatctaca tgtccagatc 840  
 aatgcccattg cccggggccat ctgcgcccctg gacctggctt ctgagggtggg caagctactc 900  
 tctgcagggtg aggacacctt tgtgcatatc tggaagctga gcagaaacc agagagtggg 960  
 ctacattgag gtggaacact gtcatgggtg agtgtgtcgc cgacacccag ctgtgtgggtg 1020  
 ctcgattttg tgatttccca aggcaactcc ttttgctggg gactggctat gaccttgccg 1080  
 agatccggag attcaccagt gtgtgaaaag agcagccttc ctttgtccct gtggtattca 1140  
 taaagtaccc gctcccccca aaaaaaaaaa 1169

<210> 6221  
 <211> 1627  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(1628)  
 <223> n = a,t,c or g  
  
 <220>  
 <221> misc\_feature  
 <222> (939)...(789)  
 <223> similar to gil786168 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 6221  
 atttgagacc tttctgagac catagtcagt gtggtggaat tcggcatttt gtcgtgggca 60  
 ggggctcagc tgtcggttcc atagaggacc ttccagataa ggaggcccct ccagcccctg 120

```

actgccgagc ttgattttcca ggaaggggttg tggaagtcac cgagtgccct ccatgcacct 180
gtgaagagtg cccagtgggg cctcccttg agtgagagg agtgactccc cgtggccagc 240
agccttgctt tcttggggca caccgccat acagcttctc cccgggctgg gacagtggaa 300
gggctgcctt gccatcacct cctgcgcac ttgctttgcc caggctctgg ggctctgctc 360
ctgccagctc ctgggtggtt catgctcctg tgagggcact gaccagccaa gcaggaggcc 420
tttgtggtgg ctgagtagag gcatgtgggg tctactcatgc gccctcgggg tccaggcccc 480
actagtcctc ctccaagtcc cattttggtt ggtnggacac ccagggtgtg ggccatagagg 540
ctatcagggt gcagcttggg gaagcaaaca agggagggtg atggttcctg gccccacacc 600
atcattcttg tgtcagccct gagagggtgc ctgtcacagc aggttccagg actgctgcct 660
cctgaggatg gagaaactgt ggcacccttg gggccactaa gggaggccag ctgattgcag 720
ccacgtgtac cttcctcttc tcgtctctgt gttttgtaga tgaccgcacc tcgagcagga 780
gtgggggatg cacgtctgcc cccagcgccc ggccctctgt ccaccacggt cattcccga 840
gccgccccga cctgtccgt gccacacca gatggcgccc tcggaaccgc ccggagaaac 900
cagggtgtgt ttggcctccg agtccccccc accgctgct gtgggcacag cactcagccg 960
cgaggggggac agcgggtggg cagcaagact gcttcctttg cggcttcaga cctgttcgc 1020
tcctagggtt ctgtggtcca cgcgcgtct ccacacccac ttcctatact tgagttgatg 1080
gttagaacct tgtcgtcacc ctgcagaagt acagtgcctt gaatgccagc ttttccgttc 1140
cctgatgaaa agatatgtta aaaaaaatta tcggaaaagg tttcatttgc aattggcttg 1200
tgcattgata atctttatct actgttttaa gttgcagaga tgtgaatggt ttacaaatct 1260
gaagctgaag ttcaatcttt ggttttctgt tgtaaagcc ttttacaac attgaattag 1320
ctaccttaag tattgaagag cttccattgc taggtgagcc ctgctttgtc ctcagtagag 1380
tgccgggttc ctgggctcat ccaggggctg agagacggcg ggacgctggg gcagggcaca 1440
ctggcgagc tgcttgctca gtagggaatg tcagttgttg cgctgggcca tgagaaatcc 1500
gccagaaaac gttagggtgag cagacatgcc ccccatgcca gtgggctgct gtgagtgagg 1560
ataaagtgtg tgttgggcat agaaaccctg gctgcccgcc caccctgtgg agacaagtgc 1620
agctcct 1627

```

```

<210> 6222
<211> 859
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (148)...(794)
<223> similar to gi4929242 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

```

```

<400> 6222
gtcgactgac gtctgacaga gcgtccaccc gtcttcgaca ggactctatg gttcttacgc 60
gcgcagacag accgcctata taagccatgc gcaggcggag gacgcctct ttccttcgg 120
tgtgccactg aagatcctgg tgtcgccatg ggcgcggcc ccgcccgttg ttaccggat 180
tgtaagaaca agccgtaccc aaagtctcgc ttctgcccag gtgtccctga tgccaagatt 240
cgcatTTTTT acctggggcg gaaaaaggca aaagtggatg agtttccgct ttgtggccac 300
atggtgtcag atgaatatga gcagctgtcc tctgaagccc tggaggctgc ccgaatttgt 360
gccaataagt acatggtaaa aagttgtggc aaagatggct tccatatccg ggtgcggctc 420
cacccttcc acgtcatccg catcaacaag atgttgtcct gtgctggggc tgacaggctc 480
caaacaggca tgcgaggtgc ctttgaaag cccagggca ctgtggccag ggttcacatt 540
ggccaagtta tcatgtccat ccgcaccaag ctgcagaaca aggagcatgt gattgaggcc 600
ctgcgcaggg ccaagttcaa gtttcctggg ccgcccagaa gatccacatc ttcaaagaag 660

```



tggggcttca	ccaagttcaa	tgctgatgaa	tttgaagaca	tggtggctga	aaagcggtc	720
atcccagatg	gctgtggggg	caagtacatc	cccaatcgtg	gccctctgga	caagtggcgg	780
gccctgcact	catgagggct	tccaatgtgc	tgcccaccct	cttaatactc	accaataaat	840
tctacttcct	gtccaccta					859

<210> 6223

<211> 4075

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (82)...(3172)

<223> similar to gil926311 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 6223

agaaactccg	ggaattactg	gggcgacgac	ttcgtgcgct	accgagcgta	ggccctgcgc	60
agcgacgggg	cttgggtgac	catggagagc	gcgctcaccg	cccgtgaccg	ggtgggggtg	120
caggatttct	tgctgctgga	gaacttcacc	agcgaggccg	ccttcaccca	gaacctgcgg	180
cggcgatttc	gggagaatct	catctacacc	tacattggcc	ccgtcctggt	ctctgtcaat	240
ccctaccggg	acctgcagat	ctacagccgg	cagcatatgg	agcggttaccg	tggcgctcagc	300
ttctatgaag	agccccctca	cctgcttgcc	gtggcggaca	ctgtgtaccg	agcactgcgc	360
acggagcgtc	gggaccaggc	tgtgatgac	tctgtggaga	gcggggcagg	caagaccgac	420
gccaccaaga	ggctgctgca	gctctatgca	gagacctgcc	cagcccccca	acgcggaggt	480
gccgtgcggg	accggctgct	acagagcaac	ccggtgctgg	aggcctttgg	aaatgccaaag	540
accctccgga	acgataactc	cagcaggttc	gggaagtaca	tggatgtgca	gtttgacttc	600
aagggtgccc	ccgtgggtgg	ccacatcctc	agttacctcc	tggaaaagtc	acgagtgggtg	660
caccagaatc	atggggagcg	gaacttcacc	atcttctacc	agctgctgga	ggggggcgag	720
gaagaaactc	ttcgcaggct	gggcttgga	cggaaacccc	agagctacct	gtacctggtg	780
aaggggccagt	gtgccaagt	ctcctccatc	aacgacaaga	gtgactggaa	ggtcgtcagg	840
aaggctctga	cagtcattga	tttaccggag	gatgaagtgg	aggacctgct	gagcatcgcg	900
gccagcgctc	ttcatttggg	caacatccac	tttgctgcca	acgaggagag	caatgccccag	960
gtcaccaccg	agaaccagct	caagtatctg	accaggctcc	tcagcggtga	aggctcgacg	1020
ctgcgagaag	ccctgacaca	caggaagatc	atcgccaagg	gggaggagct	cctgagcccg	1080
ctgaacctgg	agcaggccgc	gtacgcacga	gacgccctcg	ccaaggctgt	gtacagccgc	1140
acttttacct	ggctcgctcg	gaagatcaac	aggtcgctgg	cctccaagga	cgtggagagc	1200
cccagctggc	ggagcaccac	ggttctcggg	ctcctggata	tttatggctt	tgaagtgttt	1260
cagcataaca	gctttgagca	gttctgcac	aattactgca	acgagaagct	gcagcagctc	1320
ttcatcgagc	tcacgctcaa	gtcggagcag	gaggagtacg	aggcagaggg	catcgcggtg	1380
gagcccgctc	agtatttcaa	caacaaaatc	atctgtgac	tgggtggagg	gaagttaaag	1440
ggcatcattc	tcgattttgg	atgaaggagt	gtctgcgccc	gggggaggcc	acagacctga	1500
ccttcctgga	gaagctggag	gatactgtca	agcaccatcc	acacttcctg	acgcacaagc	1560
tggctgacca	gaggaccagg	aaatctctgg	gccgagggga	attccgcctt	ctgcactatg	1620
cgggggaggt	gacctacagc	gtgaccgggt	ttctggacaa	aaacaatgac	cttctcttcc	1680
ggaaccttaa	ggagaccatg	tgtagctcaa	agaatcccat	tatgagccag	tgcttcgacc	1740
ggagcgagct	cagtgacaag	aagcggccag	agacggtcgc	caccagttc	aagatgagcc	1800
tcctgcagct	ggtggagatc	ctgcagtcta	aggagcccgc	ctacgtccgc	tgcataaac	1860
ccaatgatgc	caaacagccc	ggccgctttg	acgaggtgct	gatccgccac	caggtgaagt	1920
acctggggct	ggttgaaaac	ctgcgcgtgc	gcagagccgg	ctttgcctat	cgccgcaaat	1980

acgaagcttt	cctgcaaagg	tacaagtcac	tgtgcccaga	gacgtggccc	acgtgggag	2040
gacggccgca	ggatggggtg	gctgtgctgg	tccgacacct	gggctacaag	ccagaagagt	2100
acaagatggg	caggaccaag	atcttcatcc	gcttcccaa	gacctgttt	gccacagagg	2160
atgccctgga	gggtccggcg	cagagcctgg	ccacaaagat	ccaagctgcc	tggaggggct	2220
ttcactggcg	gcagaaattc	ctccgggtga	agagatcagc	catctgcatc	cagtctgtgt	2280
ggcgtggaac	actgggccc	aggaaggcag	ccaagaggaa	gtgggaggca	cagaccatcc	2340
ggcggctcat	ccgaggcttc	gtcctgcgcc	acgcccccg	ctgccccgag	aacgccttct	2400
tcctggacca	tgtgcgcacc	tcttttttgc	taaacctgag	gcggcagctg	cccagaatg	2460
tcctggacac	ctcgtggccc	acgccccac	ctgccccg	tgaggcctca	gagcttctgc	2520
gggagttgtg	cataaagaac	atgggtgtga	aatactgccg	gagtatcagc	cctgagtggg	2580
agcagcagct	gcagcagaag	gccgtggcta	gtgagatctt	caagggcaag	aaggataatt	2640
accctcagag	tgtaccagag	ctcttcatca	gcactcggct	tggtacagat	gagatcagcc	2700
cccagtgct	gcaggccttg	ggctctgagc	ccattcagta	tgcggtgcct	gttgtgaaat	2760
acgaccgcaa	gggctacaag	cctcgctccc	ggcagctgct	gctcacgccc	aacgcctctg	2820
tcctcgtgga	ggacgccaaa	gtcaagcaga	ggattgatta	cgccaacctg	accggaatct	2880
ctgtcagcag	cctgagcgac	agtctttttg	tgcttcatgt	acagcgtgcg	gacaataagc	2940
aaaagggaga	tgtggtgctg	cagagtgaac	acgtgattga	gacgtgacc	aagacagccc	3000
tcagtgccaa	ccgcgtgaac	agcatcaaca	tcaaccaggg	cagcatcacg	tttgacgggg	3060
gccccggcag	ggatggcacc	attgacttca	cacccggctc	ggagctgctc	atcaccaagg	3120
ccaagaacgg	gcacctggct	gtggctgccc	cacggctgaa	ttctcggtga	taaaggcgcc	3180
cactggaccc	tcccaacgcc	caatgccttg	cttttctcct	cctccccttc	ccagttacca	3240
aagactcgaa	cttccagaca	gggacccagg	gacacccga	agcccacctg	caatctccca	3300
cctcctgccc	atccctctct	tgagggagca	gcaggggcca	ggagctacct	caggagtggg	3360
ccaggccggg	ccacagcaat	aggaaagcca	gggccagagc	gagccatgcc	agccctactg	3420
ccgatgccaa	atattttgaga	gaagggaact	tttgctgagg	ttttctctga	ggtttttttg	3480
atgctttata	ggaaactatt	ttttaaaaaa	agccatttcc	cacccaagga	cacagtggat	3540
gtgttttccc	tgactccagc	agggcaagga	atgtagccga	gaggttgtgt	gggctgggct	3600
ctgggtgccct	cttccctggc	caggacacct	ctcctcctga	ttcccttggc	accttgtctt	3660
tctgtctgtt	tacctgtctc	cctgcctgcc	catctgcatc	ttttgcagcc	cactctgact	3720
tccatctggg	ggctgagacc	acccttgctt	gcccccttct	ttctgcctta	agaatgtcct	3780
tttagcttgg	gcattggtgg	tcacgcctgt	aacccagcga	ctttgggagg	cggagacggg	3840
cagataacct	gaggtcagga	tttcgagacc	aacctgacct	acatggagaa	actccgcctc	3900
tagtaaaaaat	acaaaattag	ccgggcatgg	tggtgcacgc	ctctaattcc	agctactcgg	3960
gaggctgagg	caggagaatc	acttgaacct	gggaagtggg	ggttgcaagt	agccaagagt	4020
acaccactgc	actccagcct	gggcaacaga	gcgagactcc	gtcttaaaaa	aaaaa	4075

<210> 6224  
 <211> 1199  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1187)...(252)  
 <223> similar to gi4680695 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 6224	
tttttttttt	ttccttgatt caaaaatata atttatttta aaaacaaaaa gaggggaatgg 60
atgcagaagc	ccgtctgggc tttccgtgga gtcgcccctt cccaatggcg atggccgctc 120

```

cctgtggcct cagcttcctc cgtggaatga aggggtccag gtgacacctt cctcgaaggg 180
tgggcgtggg cctgaggctc ccaagtcggc caggggctcg gcctggctca gaagagggtgc 240
ttcacatcaa cagtggtagc ggggtggccg tgggccctgg gtagcgtggg gtaggggtcg 300
ggggaagtcg ctgtagggca ggctgaaggg gtagaggggt ctgtaacgtg agtcctgcca 360
gagcagcttg tcctccagga aggcgacggg gggcagcgtc aggaccagcg tctggtgctt 420
gagcatgctg tgcacattta ggccaacagc cgggatcaag ttgaaggtct taagcctaga 480
ggtggcctcc acgatgctct gtggcatctc ctctgtgtgt aagtccacga ggagtacgga 540
gtccccccag cggcggtagt gcgccagctc tgtcagggtac tgtgggtctc cgggtgggcag 600
ctctagggag tccatgatgt gcaggctcgt ctgggccagc ttgacgggtca gtgccacttt 660
gagaccacag gcccgcacct tcatgggcag catgtagtag taacttgtgg ggccccgggg 720
gccatgggca acacctctc ctgcgcagag cggagagcgg atgctgccat gccggggccc 780
cccagtgcct ttctgcggcc aaggcttccg gccaccgccc cgcacctcgg ctctcgtctt 840
ggtcttgga tagctaattc tcttgaagtt cttctgccac atagcaacct ggtgcagtat 900
gtccagcctg ggcgcggtg cgaaaaacatc ggggtgcagg tcggccaggc ccacgcgctc 960
ctgctcgaag ccccgcaagg actcgaccca ggcctgcact gggcgctcgat gagggtggat 1020
cgggagctcg actttgcgca gcacgggctc ggggagaccc tcgctcgcca cctgctccgg 1080
gttctcggtc gcacgcgctg cctcttccgc cagggaactc aggccctggc tgccggtagg 1140
ccgaagccag gcccgcgccc cggcccggaac gaactgcagc atcgccgcgg acgcgtggg 1199

```

```

<210> 6225
<211> 676
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (52)...(510)
<223> similar to gi4929735 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 6225
atccgggctc tgaccatgat ttggcgccgc gcggcgctgg cggggacgcg gctggtttgg 60
agcaggagcg gctcggcagg ctggcttgac agggcggcgg gagctgcggg agctgcggca 120
gctgcggcct ctgggatgga gagcaataca tcatcatctt tggagaattt agcgacggcg 180
cctgtgaacc agatccaaga aacaatttct gataattgtg tgggtgattt ctcaaaaaca 240
tcctgttctt actgtacaat ggcaaaaaag cttttccatg acatgaatgt taactataaa 300
gtggtggaac tggacctgct tgaatatgga aaccagttcc aagatgctct ttacaaaatg 360
actggtgaaa gaactgttcc agaatatatt gtcaatggta cttttattgg aggtgcaact 420
gacactcata ggcttcacaa agaaggaaaa ttgctccac tagttcatca gtgttattta 480
aaaaaaaagt aaaaggaaa aatttcagtg atgtttatac taataagttt gctagtacag 540
tgtcagttat ttaaagtgg aatgcccgat aatgtctttt aaatgttttg agggatgttt 600
taaaatacat gcattgtctt cacgaagaag atgtaaaaat aatgaacaat aaattgcggt 660
ggaaacctct tcttaa 676

```

```

<210> 6226
<211> 1826

```

<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(1827)  
<223> n = a,t,c or g

<220>  
<221> misc\_feature  
<222> (361)...(1359)  
<223> similar to gil079682 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 6226

gaattcggca	cgaggcaggt	cgggcgggtac	gacaggtcag	agctgcggcc	tgagcagcca	60
gcgtccggca	tgaaggtctg	gggtctggct	gctgcctgct	tcttgctcca	gcaccatgga	120
atgcctgcgc	agtttacctt	gcctcctgcc	ccgcgcgatg	agacttcccc	ggcggacgct	180
gtgtgccctg	gccttggaag	tgacctctgt	gggtcctccc	gttgctgcct	gcggccgccc	240
agccaacctg	attggaagga	gccgagcggc	gcagctttgc	gggcccgaac	ggctccgcgt	300
ggcaggtgaa	gtgcaccggt	ttagaacctc	tgacgtctct	caagccactt	tagccagtgt	360
agccccagta	tttactgtga	caaaatttga	caaacaggga	aacgttactt	cttttgaaag	420
gaagaaaact	gaattatacc	aagagttagg	tcttcaagcc	agagatttga	gatttcagca	480
tgtaatgagt	atcacagtca	gaaacaatag	gattatcatg	agaatggagt	atttgaaagc	540
tgtgataact	ccagagtgtc	ttctgatatt	agattatcgt	aatttaaact	taaagcaatg	600
gctgttccgg	gaactccctt	cacagttgtc	tggagagggg	caactcgtaa	catacccttt	660
accttttgag	tttagagcta	tagaagcact	cctgcaatat	tggatcaaca	cccttcaggg	720
gaaacttagc	attttgcagc	cactgatcct	tgagaccttg	gatgcttttg	gggaccccaa	780
acattcttct	gtagacagaa	gcaaactgca	cattttacta	cagaatggca	aaagtctatc	840
agagttagaa	acagatatta	aaattttcaa	agagtcaatt	ttggagatct	tggatgagga	900
agagttgcta	gaagagctct	gtgtatcaaa	atggagtga	ccacaagtct	ttgaaaagag	960
cagtgtctgg	attgaccatg	cagaagagat	ggagttgctg	ttggaaaact	actaccgatt	1020
ggctgacgat	ctctccaatg	cagctcgtga	gcttaggggtg	ctgattgatg	attcaciaaag	1080
tattattttc	attaatctgg	acagccaccg	aaacgtgatg	atgaggttga	atctacagct	1140
gaccatggga	accttctctc	tttcgctctt	tggactaatg	ggagttgctt	ttggaatgaa	1200
tttggaaatc	tcccttgaag	aggaccatag	aatttttttg	ctgattacag	gaattatggt	1260
catgggaagt	ggcctcatct	ggagggcgct	gctttcattc	cttggacgac	agctagaagc	1320
tccattgcct	cctatggtat	gaaggatatg	gttcacggcg	gtattgtgga	agggttatga	1380
tcatgggccc	taaagtcaga	gcgcctggga	ttaagttgtc	acaggcacta	tggcccttgc	1440
gagttgcttt	ctcaaaactt	cttcagtttt	cctatctgtc	agttaagtcg	gtattacctg	1500
cttcataggg	ttatgggaag	aattaaacaa	tatgtgtaaa	gcacttacta	gccccactgc	1560
taaccacaata	agttagaaat	ataatttgtg	tagaactctg	acaacataca	tttaaacaga	1620
tgtttagtaat	tctggtataa	ggtttgtcat	aaccaaattg	aaatgtagga	aacatttata	1680
atgttcttaa	aagatagaaa	attccccctc	attttctttg	tacttgaaga	tggcaccact	1740
ggaataaata	cttaagacac	tgaaaaaaaa	cctcgtgcca	agctggcgta	agcaggtccg	1800
agactatcag	tgggatcagg	nncct				1826

<210> 6227  
<211> 3354  
<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (49)...(1852)

<223> similar to gi5360093 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 6227

ataccgggat	cgaccacac	gtccgggcgg	gagtggcgtg	gcgcagggat	ggcacaaaag	60
aaatatcttc	aagcaaaaatt	gaccagttt	ttaagggaag	acaggattca	actttggaaa	120
cctccatata	cagatgaaaa	taaaaaagtt	ggtttggcat	taaaggacct	tgctaagcag	180
tactctgaca	gactagaatg	ctgtgaaaat	gaagtagaaa	aggtaataga	agaaatacgt	240
tgcaaggcaa	ttgagcgtgg	aacaggaaat	gacaattata	gaacaacggg	aattgctaca	300
atcgagggtg	ttttaccacc	aagactaaaa	aaagatagga	aaaacttgtt	ggagacccga	360
ttgcacatca	ctggcagaga	actgaggtcc	aaaaatagctg	aaaccttttg	acttcaagaa	420
aattatatca	aaattgtcat	aaataagaag	caactacaac	tagggaaaac	ccttgaagaa	480
caaggcgtgg	ctcacaatgt	gaaagcgatg	gtgcttgaac	taaaacaatc	tgaaggaggac	540
gcgaggaaaa	acttccagtt	agaggaaagag	gagcaaaatg	aggccaaact	caaagaaaaa	600
caaattcaga	ggaccaagag	aggactagaa	atactggcaa	agagagcagc	agagacagtg	660
gtggatccag	aaatgacacc	gtacttagac	atagctaacc	agacaggcag	atcaatcaga	720
attcccccct	cagaaaagaaa	agcccttatg	ttagctatgg	gatatcatga	gaagggcaga	780
gctttcctga	aaagaaaaga	atatggaata	gccttgccat	gtctgttgga	cgctgacaaa	840
tatttctgtg	agtgttgag	agagctgctg	gacacagtgg	ataactatgc	cgctcctccag	900
ctggatatag	tgtggtgtta	cttcgcctg	gaacagctgg	aatgccttga	tgatgcagaa	960
aaaaaattaa	acttggccca	gaaatgcttt	aaaaattgtt	acggagaaaa	tcatacagaga	1020
ctgggtccaca	taaaaggaaa	ttgtgggaaa	gagaaggtag	tgtttctaag	actctactta	1080
cttcaaggga	tccgaaacta	tcacagtgga	aatgatgtag	aggcttatga	gtatcttaac	1140
aaggcacgtc	agctctttaa	agagctatat	attgatccat	caaaagtgga	caatttggtg	1200
cagttggggt	ttactgcccc	ggaagcccgg	cttggcctga	gggcgtgtga	tgggaacgtg	1260
gatcatgcgg	ccactcatat	taccaaccgc	agagagggaac	tggcccaaat	aagggaaggag	1320
gaaaaagaga	agaaaagacg	ccgcctcgag	aacatcaggt	ttctgaaagg	gatgggctac	1380
tccacgcacg	cgcccagca	gattctgctc	agcaatcctc	agatgtggtg	gttaaattgat	1440
tccaatcctg	aaaccgacaa	ccgtcaagaa	agtccttccc	aggaaaacat	tgaccgattg	1500
gtgtacatgg	gttttgatgc	actcgtggcc	gaagctgcgc	tgagagtgtt	cagaggcaac	1560
gtccagctgg	ccgcccagac	ccttgctcac	aacggaggaa	gcctgcctcc	cgagctgccg	1620
ctgtcgccag	aagactcttt	gtccccgcca	gccacgtccc	cttctgactc	cgcaggaacc	1680
tctagtgcct	caacagacga	agacatggag	acagaggccg	tcaatgagat	actggaagac	1740
attccagagc	atgaggaaaga	ctatcttgac	tcaactctgg	aagatgaaga	aattattatt	1800
gcagagtacc	tatcctatgt	agaaaatagg	aagtcagcga	caaagaaaaa	ctaaataatg	1860
aacagaaaata	gcgctaattt	tctgcttata	aatgctatca	ttatgaaaag	gctaattgcag	1920
ctctttctgt	tcttactttt	tatctgaatt	acaagtcctc	tttgggtgta	ggaggggggtg	1980
ggcaggggac	aagtccagga	ggggtcccag	ggccttcacg	cgtggtctcg	gggaagaagc	2040
ttcctctggc	ctggcgagc	ccgttccatc	tgctcccag	gtctgcgtcc	ctaaccctt	2100
ccccagcttg	gtgttttacc	ccgaaacagg	aaggaacagg	ggtcctgtaa	aacaggggtc	2160
ctggggaaag	tgtccagggc	aggttcttgg	gaagggtgtc	ccgaccgctt	cctctccagc	2220
tgtggctcca	tctgcccagc	ttgacctgct	cctgcaccca	ctgccctgac	cttctgctt	2280
cccacgctgc	catctctgcc	aggggtgccac	atgggttctt	gtgccaccct	ttccccgcc	2340
ctcaaactcg	cctttaagtc	ttccttccaa	gtgctgtggg	gcataacgat	gaggcgctgg	2400
ccttgggggc	cacaccaggt	cgcagcaaat	ggcttcagcc	tgggacgcca	gtgttttatg	2460
ctcttagttc	agtaaaatac	gccccgaaa	ttcaagattg	agtgtcaggc	tttatatata	2520
ttcagcattc	ctcattacag	aaatcttcta	ttgaatggga	aaggtttaaa	tgctaaccaa	2580
agcaatttat	ttttaattaa	tattttttaga	ctctgtgctg	tcatactgaa	ctcactgcta	2640
gctaagagac	ctatcagaga	tttagatata	ttttctccag	gttttttgtg	ggtttttctt	2700

```

gttggtgttg ttgttctagc catgtgacag aggtctcttc taaaagtatg tagttcgctg 2760
tgtgtcggct ccagcagtaa ccgtcctcac tgcgccacgc actcctctgt agatgtgtgc 2820
ccagtgggag ttccttccag ccccaggacc gcagcagcag ccaggtgccg agtggattga 2880
gtgccagggt catccaagac tttccctccc ttccagaagg cactgactga agacaggatg 2940
gatcatgcgg agccggctga aatgctccaa ctttttcaaa gtgtgggtgg tccagtttgg 3000
actgatggga atcttcttgt cattcttttt aaacggatga taccgatgga aataaaaggt 3060
gggaaatata ttcaaaaaaa aaaaaaaggg gggccctttt aaaagaacct ttggggggcc 3120
caaatttacc cgggggttggc aaggtaaaat ttttttcctt atggggggcc tttttaaaacc 3180
ctccttggga tttttggaaa ggaacctttt ttttgggggg gggacttatt ggcccacccc 3240
ccctccaaaa tttaaagcct ttagggaaaa aaaaaatttt taaggggaaa agggggaaaa 3300
ccaaccccaa ttccctggct gttaaaaatt tttctttccg gagtagaatt aaga 3354

```

```

<210> 6228
<211> 933
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (77)...(747)
<223> similar to gi5138924 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 6228
cgtcggaact cggccgcggg acatccacgg ggcgcgagtg acacgcggga gggagagcag 60
tgttctgctg gagccgatgc caaaaacccat gcatttctta ttcagattca ttgttttctt 120
ttatctgtgg ggccttttta ctgctcagag acaaaagaaa gaggagagca ccgaagaagt 180
gaaaaataga gttttgcac gtccagaaaa ctgctctaag acaagcaaga agggagacct 240
actaaatgcc cattatgacg gctacctggc taaagacggc tcgaaattct actgcagccg 300
gacacaaaat gaaggccacc ccaaatggtt tgttcttggg gttgggcaag tcataaaaagg 360
cctagacatt gctatgacag atatgtgccc tggagaaaag cgaaaagtag ttataacccc 420
ttcatttgca tacggaaaag aaggctatgc agaaggcaag attccaccgg atgctacatt 480
gatttttgag attgaacttt atgctgtgac caaaggacca cgaaagcatt gagacattta 540
aacaaataga catggacaat gacaggcagc tctctaaagc cgagataaac ctctccttgc 600
aaagggaatt tgaaaaagat gagaagccac gtgacaagtc atatcaggat gcagttttag 660
aagatatatt taagaagaat gaccatgatg gtgatggctt catttctccc aaggaatata 720
atgtatacca acacgatgaa ctatagcata tttgtatttc tacttttttt ttctagctat 780
ttactcgtac tttatgtata aaacaaaagtc acttttctcc aagttgtatt tgctattttt 840
cccctatgag aagatatatt gatctcccca atacattgat tttggtataa taaatgtgag 900
gctgttttgc aaacttaaaa aaaagtcgac gcg 933

```

```

<210> 6229
<211> 1083
<212> DNA
<213> Homo sapiens

```

<220>  
 <221> misc\_feature  
 <222> (110)...(610)  
 <223> similar to gi4200249 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 6229

ggcgggaccg	gacttccggc	tggtctgtgg	ggtttcgggt	tcgggggtttc	ctggtgggcg	60
tcaggggagc	gcaacagagt	ggcggccgct	acggccctgg	aacggggcca	tggagaagct	120
gcggcgagtc	ctgagcggcc	aggacgacga	ggagcagggc	ctgactgcgc	aggattcaca	180
gattaatctc	ttgaggtcct	ggatgcctca	tcccttagtt	tcaacaccag	attgaaatgg	240
tttgccatct	gcttcgtatg	tggcggtttc	ttttctattc	ttggaactgg	attgctgtgg	300
cttccgggcg	gcataaagct	ttttgcagtg	ttttataccc	tcggcaatct	tgctgcgtta	360
gccagtacat	gctttttaat	gggacctgtg	aagcaactga	agaaaatggt	tgaagcaaca	420
agattgcttg	caacaattgt	tatgcttttg	tgtttcatat	ttaccctgtg	tgctgctctt	480
tggtggcata	agaagggact	ggctgtgtta	ttctgcata	tgcatgttct	gtcaatgacc	540
tggtatagcc	tgtcatat	cccatatgca	agggatgcag	ttattaaatg	ctgttcttct	600
ctcctaagtt	gaaaatcaga	aacttgtgga	aaagagcact	tgaatgttgg	tactctatgt	660
ttggtgaagt	ttgcttttcc	ccataaaaaca	ctccaggaac	aactgacgtg	acagttgaag	720
accgttttgt	actaagtctc	attttgtata	ctggtaaaaa	ctacatgctt	gattaaacca	780
ttaaatgctt	gtaactttta	attcattatg	tgtcattaat	atacttttcc	aaagataaga	840
tttttaataca	ctgccagttg	taaattat	ttagccaatt	tttaaactct	ttcaaagcag	900
ctttgaaatg	tgaatat	tttaagtagacc	tgtgctgcaa	gataattaaa	cttttttgct	960
tttaaaaaaa	gtctgcattt	tttaagattt	ttttacttta	aatgtgaaac	ttattttaag	1020
ctaaaaattg	cttattatat	gtaataaaaa	taatatataa	atctttacaa	ttttgaaata	1080
aac						1083

<210> 6230  
 <211> 1981  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(1982)  
 <223> n = a,t,c or g

<220>  
 <221> misc\_feature  
 <222> (7)...(1567)  
 <223> similar to gi3451240 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 6230

acagagatgg	cactgatgca	ggaactgtat	agcacaccag	cctccaggct	ggactccttc	60
gtggctcagt	ggctgcagcc	ccaccgggag	tgggaaggag	aggtgctaga	cgctgtgcgg	120
accgtggagg	agtttctgag	gcaggagcat	ttccagggga	agcgtgggct	ggaccaggat	180

gtgcgggtgc	tgaaggtagt	caaggtgggc	tccctcggga	atggcacggt	tctcaggagc	240
accagagagg	tggagctggt	ggcgtttctg	agctgtttcc	acagcttcca	ggaggcagcc	300
aagcatcaca	aagatgttct	gaggctgata	tggaaaacca	tgtggcaaag	ccaggacctg	360
ctggacctcg	ggctcgagga	cctgaggatg	gagcagagag	tccccgatgc	tctcgtcttc	420
accatccaga	ccagggggac	tgcggagccc	atcacggtca	ccattgtgcc	tgccacaga	480
gccctggggc	cttctcttcc	caactcccag	ccaccccctg	aggtctatgt	gagcctgatc	540
aaggcctgcg	gtggctcctgg	aaatttctgc	ccatccttca	gcgagctgca	gagaaatttc	600
gtgaaacatc	ggccaactaa	gctgaagagc	ctcctgcgcc	tggtgaaaca	ctggtaccag	660
cagtatgtga	aagccaggtc	ccccagagcc	aatctgcccc	ctctctatgc	tcttgaactt	720
ctaaccatct	atgcctggga	aatgggtact	gaagaagacg	agaatttcat	gttggacgaa	780
ggcttcacca	ctgtgatgga	cctgctcctg	gagtatgaag	tcattctgtat	ctactggacc	840
aagtactaca	cactccacaa	tgcaatcatt	gaggatttgtg	tcagaaaaa	gctcaaaaa	900
gagaggccca	tcactctgga	tcggccgac	cccacctca	acgtggcaga	agggtacaga	960
tgggacatcg	ttgctcagag	ggcctcccag	tgcctgaaac	aggactgttg	ctatgacaac	1020
agggagaacc	ccatctccag	ctggaacgtg	aagagggcac	gagacatcca	cttgacagtg	1080
gagcagaggg	gttaccacga	tttcaacctc	atcgtgaacc	cttatgagcc	cataaggaag	1140
gttaaagaga	aaatccggag	gaccaggggc	tactctggcc	tgcagcgtct	gtccttccag	1200
gttcctggca	gtgagaggca	gcttctcagc	agcagggtgt	ccttagccaa	atatgggatc	1260
ttctcccaca	ctcacatcta	tctgctggag	accatccctt	ccgaagatcc	aggtcttcgt	1320
gaagaatcct	gatggtggga	agctacgcct	atgccattca	acccccaa	gcttcactct	1380
gggtctgaag	cagcagattg	aagaccanc	aggggcttcc	taaaaaggca	gcagcagctg	1440
gaattcccaa	ggccaaagt	ctgcaaggac	tggttggggg	ctggggattt	tatggcatcc	1500
aagacaagt	acactctcaa	tcctctcgga	agaagaaagg	agaggctctg	tttccagcca	1560
gttagttttc	tctgggagac	ttcttctgta	catttctgcc	atgtactcca	gaactcatcc	1620
tgtcaatcac	tctgtcccat	tgtctactgg	gaaggtecca	ggtcttcacc	agttttacaa	1680
tgagttatcc	caggccagac	gtggtggctc	acacctgtaa	tcccagaact	ttgggaggcc	1740
gaggtgggag	gagcgcttga	gccgaggagt	tcaagaccag	cctgggtatc	acaggggagac	1800
cccgtctcta	caaaataaaa	aaataattca	ctgggtgtgg	ttgtgcacat	ttgtgggtctc	1860
aggcactcga	gaggtcgagg	cagaagaatc	gcttgagccc	aggaggctga	ggctgcagt	1920
agctgtgatc	acaccgctac	tctcctgccc	aggccacaga	gcatgaccct	gtgtctaaaa	1980
a						1981

```
<210> 6231
<211> 1390
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (109)...(1101)
<223> similar to gil78067 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```







aactttaagt	tactttat	gaataacaag	gaaaacagta	actaagcaca	ttatgtttgc	1380
aactggtata	tatttaggat	ttgtgtttta	cagtatatct	taagataata	tttaaaatag	1440
ttccagataa	aaacaatata	tgtaaattat	aagtaacttg	tcaaggaatg	ttatcagtat	1500
taagctaata	gtcctgttat	gtcattgtgt	ttgtgtgctg	ttgtttaaaa	taaaagtacc	1560
tattgaacat	gtgaaaaaaa	aaa				1583

```

<210> 6234
<211> 1788
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1510)...(594)
<223> similar to gi36613 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

<400> 6234						
tttttttttt	ttcaggaaca	taccacgttt	atctcttggt	gtcaagccag	aaatgaacca	60
aaagaagcac	atctcaggtg	aaggaacaac	tccttattgc	agtcataagc	cagctctcct	120
gggatccggg	gaacgccctc	tctcctctcc	ctcactccct	cctgtttaac	ttgggactga	180
actggaactc	aactcttccc	ccaaacat	ttaaatacaa	aagaccagca	gggggagccc	240
tttcctcagg	gtctggccct	gcaggcaggg	cagggtgagg	cctgaatacc	cacaccagc	300
tctggcaggc	cccctgcctt	caacttggca	ctgttccag	tgcccgagg	cccctcgtgc	360
atggagcatc	tgtgcctcta	ttttgaaacg	gcaccgtcca	acccaaaaaa	caacacagga	420
tctcgctaac	ctgcgggcag	gactaaccac	gactcagccc	tctgcaggct	gatgctgaat	480
tccttagtgc	tttgcctctc	ccagatgcat	cctctcttgg	caatgggtag	gaggcagctg	540
gggcagcagc	tgctgctcga	gaaaggatct	gagtggtggc	ttgacattct	caatggcgga	600
atcgtgcag	cacatactgg	cgggcagctg	gggagggtc	aggggatgag	aagtacgggt	660
gggccagggc	agtcttggct	gtgatccgct	ggctggggtc	atactgcagg	agttgcatga	720
gcaggctcct	gccctctggc	tcagatttgg	gcacaatctc	ttccagtccc	ttcctggtcc	780
acttagggaa	gctgccctta	tagtcaggca	gctgggtgac	cccgggccat	gtgtcttcgc	840
tgggtgtccc	cagcatacga	aagatacgaa	agagcttggg	caatctcaag	agtcaccagg	900
aaacagggct	tttcgagtca	ccatctctgc	aaagatgcaa	ccaatgctcc	agatatccac	960
agctgtggta	tagaacctgg	ttgccaaagag	aatctcgggg	gcgcgatacc	acagtgtcac	1020
cacctcatgg	gtgtaggtgc	gcaggggcac	cccgaaggcg	cgagccaggc	cgaagtcagc	1080
cagcttgatg	gcacccaact	cattgatgag	caggttcttg	ggcttcagggt	ctcgggtggat	1140
gacccgatgt	gagtggcaga	aactcaccac	ctgcagcagc	tggaagagggt	agctcttgat	1200
gagggtcagg	gggagctctg	agcctggggg	ggagtccatg	tacttcttca	ggtcctggct	1260
gaggaactca	aacaccagat	agagcttcct	ctcgttgtgc	accacgtcca	gcagtctgac	1320
gatgttgggg	tgcttcagtt	ccttgagcag	cgagatctcc	ctgatggcag	tgcttgggac	1380
cccctccatc	tccaaatcca	gtctgatctt	cttcaggggc	accagctgcc	ctgtctccct	1440
gttcttggcc	ttgtacacca	ccccatagggt	gccctctccg	atcttctcta	ccttctggaa	1500
catatccatg	gccacagagc	tgcttgggaa	acagaaggca	ctgggcaatt	tgacccccac	1560
gcccagcgct	cccgttgctc	ctccagcttc	catgtggcgc	cctgcccagc	ccagcccagc	1620
ccagactgcc	cagctcccaa	ggccctcggc	ctagccaccc	caaccccagc	tcctcctgcc	1680
tgggaacctg	gctgggggtc	ggccaccccc	cctcaccagc	cccagcccc	ccttcaaggg	1740
ggtcaggggg	cccccttaac	accagaccag	ttcagccagg	acccccag		1788

<210> 6235  
 <211> 2176  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <221> misc\_feature  
 <222> (96)...(1884)  
 <223> similar to gil854512 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 6235  
 attggcacca ggggttactgg gaggggggctt gctgtggcccc tgtcaggaag agtagagctc 60  
 tggccagct ccgcgcaggg agggaggctg tcaccatgcc ggctgtctgc agctgcagtg 120  
 atgttttcca gtatgagacg aacaaagtca ctcgatcca gagcatgaat tatggcacca 180  
 ttaagtgggt cttccacgtg atcatctttt cctacgtttg ctttgctctg gtgagtgaca 240  
 agctgtacca gcggaagag cctgtcatca gttctgtgca caccaagggtg aaggggatag 300  
 cagagggtgaa agaggagatc gtggagaatg gagtgaagaa gttggtgcac agtgtctttg 360  
 acaccgcaga ctacaccttc cttttgcagg ggaactcttt cttcgtgatg acaaactttc 420  
 tcaaaacaga gggccaagag cagcggttgt gtcccagta tcccacccgc aggacgctct 480  
 gttcctctga ccgagggtgt aaaaagggat ggatggaccc gcagagcaaa ggaattcaga 540  
 ccggaagggt tgtagtgcac gaagggaacc agaagacctg tgaagtctct gcctggtgcc 600  
 ccatcgaggc agtggagag gcccccggc ctgctctctt gaacagtgcc gaaaacttca 660  
 ctgtgctcat aaagaacaat atcgacttcc ccggccacaa ctacaccacg agaaacatcc 720  
 tgccagggtt aaacatcact tgtaccttcc acaagactca gaatccacag tgtcccattt 780  
 tccgactagg agacatcttc cgagaaacag actgataattt tcagatgtg gcaattcagg 840  
 gcggaataat gggcattgag atctactggg actgcaacct agaccgttgg ttccatcact 900  
 gccatcccaa atacagtttc cgctgccttg acgacaagac caccaacgtg tccttgatcc 960  
 ctggctacaa cttcagatac gccaaagtact acaaggaaaa caatgttgag aaacggactc 1020  
 tgataaaagt cttcgggacg cgttttgaca tcctggtttt tggcaccgga ggaaaatttg 1080  
 acattatcca gctggttggt tacatcggtt caacctcttc ctacttcggt ctggccgctg 1140  
 tgttcatcga cttcctcatc gacacttact ccagtaactg ctgtcgctcc catatttatc 1200  
 cctggtgcaa gtgctgtcag cctgtgtgtg tcaacgaata ctactacagg aagaagtgcg 1260  
 agtccattgt ggagccaaag ccgacattaa agtatgtgtc ctttgtggat gaatcccaca 1320  
 ttaggatggt gaaccagcag ctactaggga gaagtctgca agatgtcaag ggccaagaag 1380  
 tccaagacc tgcgatggac ttcacagatt tgtccaggct gcccctggcc ctccatgaca 1440  
 ccccccgat tcctggacaa ccagaggaga tacagctgct tagaaaggag gcgactccta 1500  
 gatccaggga tagccccgtc tggtgccagt gtggaagctg cctcccatct caactccctg 1560  
 agagccacag gtgcctggag gagctgtgct gccggaaaaa gccggggggcc tgcataccca 1620  
 cctcagagct gttcaggaag ctggtcctgt ccagacacgt cctgcagttc ctccgtctct 1680  
 accaggagcc cttgctggcg ctggatgtgt attccaccaa cagccggctg cggcactgtg 1740  
 cctacaggtg ctacgccacc tggcgcttcg gctcccagga catggctgac tttgccatcc 1800  
 tgccccagct cgtgccgctg gaggatcccg gaaagagttt ccaaagagtg aagggcagta 1860  
 cagtggcttc aagagtcctt actgaagccc aggcaccgtg gctcacgtct gtaatcccag 1920  
 cgctttggga ggccgaggca ggcagatcac ctgaggtcgg gagttggaga cccgcctggc 1980  
 taacaaggcg aaatcctgtc tgtactaaaa atacaaaaat cagccagaca tgggtggcatg 2040  
 cacctgcaat cccagctact cgggaggctg aggcacaaga atcacttgaa cccgggaggc 2100  
 agaggttgta gtgagcccag attgtgccac tgctctccag cctgggaggc acagcaaact 2160  
 gtccccaaaa aaaaaa 2176

<210> 6236  
 <211> 6321  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <221> misc\_feature  
 <222> (8)...(5880)  
 <223> similar to gi2662089 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 6236

tttcgtcggg	gatgcgccgc	gggcggcaag	cggaggcggc	ccaggcccgg	cggtctccga	60
gatgtcacga	tggctgtggc	catggtcaaa	ctgtgtgaaa	gagcgggtct	gccgctactt	120
gctgcaccac	tacttaggtc	acttcttcca	agagcacctc	agcctggacc	agctcagcct	180
cgatctgtac	aagggcagcg	ttgccctgcg	agacatccac	ctggaaatct	ggtctgtgaa	240
cgagggtgctg	gagtcaatgg	agtcaccgct	ggagctggtg	gaaggcttcg	tgggctccat	300
cgagggtggcc	gtgccctggg	ctgctctgct	caccgaccac	tgcacagtgc	gcgtgtccgg	360
cctccagctc	accttgcagc	ccgcgccggg	tccagcgcca	ggggctgccg	actcacagag	420
ctgggcctca	tgcattgacca	caagcctgca	gctggcccag	gagtgtctgc	gggatgggct	480
accggagccc	tctgagccac	cacagcccct	ggaggggctg	gagatgtttg	cccagaccat	540
tgagactgtg	cttcggagga	tcaaagtgc	cttcctggac	actgtcgtga	gggtggagca	600
ctctccgggt	gatggggaac	gtggtgtggc	cgtcgaggtc	cgtgtgcaga	gactggagta	660
ctgtgatgag	gcagtgcggg	acccaagcca	ggcgcgcccg	gtggatgtgc	atcagccgcc	720
tgccttcctg	cacaagctgc	tgcagctggc	aggggtccgc	ctgcactacg	aggagctccc	780
ggcacaggaa	gagcctccag	agccccctt	gcagatcggc	agctgctcag	ggtacatgga	840
gctgatgggtg	aagttgaagc	aaaatgaggc	cttcctggc	cccaagttgg	aggtggcggg	900
acagctgggc	tccctgcacc	tgtcctgac	cccagggcag	ctccagcaac	ttcagggaact	960
gctcagcgcc	gtgagcctta	cagaccacga	gggcctggct	gacaagctga	acaagagccg	1020
cccgtaggt	gccgaagacc	tgtggctgat	tgagcaggac	ctgaaccagc	agctgcaggc	1080
aggggcagtg	gctgagcccc	tcagcccaga	cccccttacc	aacccccctt	tcaacctgga	1140
taacactgac	ctcttcttct	ccatggctgg	cctcacaagc	agtgtggcct	cagccctctc	1200
tgagctctcc	ctctccgatg	tagacctggc	ctcctctgtg	cgcagcgaca	tggcctcccg	1260
ccggctctct	gcccaggccc	acccagctgg	caagatggcc	cccaaccccc	tcctggacac	1320
catgcgccct	gactcgctgc	tgaagatgac	cttggggggg	gtgaccctga	ccttgcttca	1380
gacgtctgcc	ccatcttccg	gaccacctga	cctcgccaag	cactttttca	ccgagtttga	1440
tgccaccaag	gatgggccct	tcggttcccg	agacttccat	caccttcgac	cacgcttcca	1500
gagggcctgt	ccctgtagcc	atgttcggct	aacgggcaca	gccgtgcagc	tgtcctggga	1560
gctgcggacg	ggcagtcggg	gccggcggac	aaccagcatg	gaagtgcact	tcgggcagct	1620
ggaggtgctg	gagtgtctgt	ggccccgggg	cacctctgag	cctgagtaca	cggagatcct	1680
gacctttcct	ggtacgctgg	gctcccaggc	ctcagctcgg	ccctgcgccc	atctgcgcca	1740
cacacagatc	ctgcgcctg	tgcctaagag	cgcaccccg	cgctcagttg	cctgccattg	1800
ccactcagaa	ctggccctgg	acctggccaa	cttcaggcgc	gacgtggagc	tgggggccct	1860
ggaccggctg	gccgccctac	tgcgcctggc	caccgtacct	gctgagcctc	cagccggcct	1920
gctgacagag	cccctgcccg	cgatggagca	gcagacggta	tttcggctct	ctgcaccccc	1980
ggccacgctg	cggtgcgct	tccccattgc	cgacctgcgg	cctgagcggg	acccctgggc	2040
gggccaggcc	gtgcgggctg	agcagcttcg	gctggagctg	agtgcagccc	agttccggtc	2100
agagcttagc	agtgggcctg	gtcccccagt	ccccacccac	ctggaactca	cctgctccga	2160
cctacatggg	atctatgaag	atggagggaa	gccacctgtc	ccttgctctgc	gtgtctccaa	2220
agccctggac	cccaagagca	ctgggcgcaa	gtacttctct	ccccaggtag	tggtagctgt	2280
gaacccccag	tccagcagca	cacagtggga	ggtggccccg	gagaaggag	aggaactgga	2340

gctgtcagtg	gagagtccct	gtgagctgcg	ggaacctgag	ccctcgccct	tctcctctaa	2400
gaggaccatg	tatgagacag	aggagatggg	gatccctgga	gacctgagg	agatgaggac	2460
gttccagagc	cggaccttg	cactgtcccg	ctgcagcctg	gaagtgatcc	tgcccagtg	2520
ccacatcttt	ctgcccagca	aggaggtcta	cgagagcatc	tacaacagga	tcaacaacga	2580
cctgctcatg	tgggagcctg	cagatctgct	tcccaccccc	gaccccgccg	cccagccctc	2640
gggcttcccc	ggccccctcag	gcttctggca	cgacagcttt	aagatgtgca	agtcagccct	2700
caagctggcc	aactgctttg	atctcacccc	agactcggac	tcggatgacg	aggatgcccc	2760
cttcttctca	gtgggggcat	caggtggccc	acaggccgct	gccccctgagg	ccccaaagtct	2820
tcacttgacg	agcaccttct	ctacactggg	gacagtgtg	aaggggaggga	tcacagccct	2880
ctgtgagacc	aaggatgagg	gtgggaagcg	gctggaggct	gtgcacgggg	agctggtgct	2940
ggacatggag	cacggtaccc	tcttcagcgt	ctcccagtac	tgtggccagc	caggacttgg	3000
ctacttctgt	ctggaagctg	aaaaggcaac	actctaccac	cgagcggccg	tggatgacta	3060
cccgtgccc	agtcaacctg	accttcccag	tttcgctccc	ccggctcagc	tggccccaac	3120
catctaccca	tcggaggaag	gggtgaccga	gcggggagcc	tcgggcccga	agggccagg	3180
ccggggagccc	cacatgttgt	ccactgctgt	gcgcatccac	ctggaccccc	acaagaatgt	3240
gaaggagttc	ctggtgacac	tgcggttgca	caaagccacc	ttgcgccact	acatggccct	3300
gcccagagcag	agctggcatt	cccagttggt	ggagtcccta	gacgtgctgg	atgacctgt	3360
gctgggctac	ctgccccga	cggtcatcac	catcctgcac	acacacctgt	tctcctgctc	3420
tgtggactat	aggccactct	acctcccagt	gcgtgtcctc	atcacccg	agaccttcac	3480
tctctccagc	aacatcatca	tggacacctc	caccttctg	ctcaggttca	tcctcgatga	3540
ctccgccttg	tacctgtccg	acaagtgtga	ggtggagacc	ctggacctgc	ggcgagatta	3600
tgtctgtgtt	ttggatgttg	acctcttgga	acttgtgatt	aaaacctgga	aaggagcac	3660
cgagggcaaa	ctgagccagc	cactattcga	gctgcgctgc	tccaacaatg	tggtaacgt	3720
gcacagctgt	gccgactcct	gtgccctgct	ggtcaacctg	ctccagtacg	taatgagcac	3780
aggcgatctg	cacccccccac	cccggccccc	cagccccacg	gagatcgccg	gccagaagct	3840
ctcggagagt	cctgcctctc	tgcctcgtg	ccccccagt	gagacggccc	tcacaaacca	3900
gcgtgacctg	gccgacgccc	tcttggaac	cgagcgagc	ctacgggagc	tggcccagcc	3960
ttcaggtggc	cacctccctc	aggcgtcgcc	catctccgtc	tacctattcc	caggtgaacg	4020
gagtggggcc	ccacccccctt	caccacctgt	cgggggccc	gctggcagct	tagggtcatg	4080
ctcagaggag	aaggaagatg	aaagggaaga	ggagggcgat	ggagacaccc	tggacagtga	4140
tgagttctgc	atccttgatg	ctcccgccct	gggcatcccg	ccccgagatg	gggagccctgt	4200
ggtgacacag	ctgcatcccg	gccccatcgt	tgtgagggac	ggttacttct	cacggccgat	4260
cggcagcacg	gactttgctt	cgggcaactg	cccatttccc	agtgccccagc	actcgggtgg	4320
tgtacgtga	ggtctccctc	gtctggcacc	tctatggggg	ccgagacttt	ggccccacc	4380
ccggccacag	ggcaagaact	ggcctctcag	gtcccaggag	ctcccccttc	cgctgctctg	4440
gccccaaaccg	gccccagaac	tcatggcgca	cgagggggg	cagcgggcgg	cagcaccatg	4500
tcctcatgga	gatccagctg	agcaaggtaa	gcttccagca	cgaggtgtac	ccagcggagc	4560
cagccacagg	ccctgcggcc	cccagccagg	agctggagga	gcgaccgctg	tcccgtcagg	4620
tgttcatcgt	gcaggagctg	gaggtccaaa	accggctcgc	ctcctcccag	atcaacaagt	4680
tcctgtacct	acacacgagt	gagcggatgc	cgcgacgtgc	ccactctaac	atgctacca	4740
tcaaagcgct	gcatgtggcc	cccactacca	acctgggtgg	gcctgagtgc	tgtctcccg	4800
tctcgctgat	gccccctgcg	ctcaatgtgg	accaggatgc	cctcttcttc	ctcaaggact	4860
tcttactag	tctggggggc	ggcatcaacc	ccgtggtccc	aggggagacc	tccgctgagg	4920
ctcgccccga	gactcgagcc	cagcccagca	gccccctgga	agggcaggcc	gaaggcgtag	4980
agaccactgg	ttcgcaggag	gccccaggag	gtggacacag	cccctcccct	cctgaccagc	5040
agcccatcta	cttcagagag	ttccgcttca	cgtctgaggt	ccccatctgg	ctggattacc	5100
atggcaagca	cgtcacgatg	gaccaggtgg	gcacttttgc	tggcctcctc	atcggcctgg	5160
cccaactcaa	ctgctccgag	ctgaagctaa	agcggctctg	ttgcaggcac	gggctcctgg	5220
gtgtggacaa	ggtgctgggc	tatgccctca	acgagtggct	gcaggacatc	cgcaagacc	5280
agctgcccgg	cctgctggga	ggcgtggggc	ccatgcactc	ggttgtccag	ctctccaag	5340
ggttccggga	cctgctgtgg	ctgccattg	agcagtacag	gaaggatggc	cgccctcatgc	5400
gggggctgca	gcgaggggct	gcctcctttg	gctcatccac	agcctctgcc	gccctggaac	5460
tcagcaaccg	gttggtacag	gctatccagg	ccacagctga	gaccgtgtat	gacatcctgt	5520
ccccggcagc	ccccgtctcc	cgctccctgc	aggataagcg	ctctgcgcgg	aggctgcgca	5580
ggggccagca	gcctgccgac	ctgcgggagg	gtgtggccaa	ggcctacgac	acagtgcgag	5640
agggcatctt	ggatacagct	cagaccatct	gtgacgtggc	atcgcggggc	catgagcaga	5700
aggggctgac	gggcgcgctg	gggggcgtga	tccgccagct	gcccccgact	gtggtgaagc	5760

cgtcatcct	ggccacggag	gccacgtcca	gcctgctcgg	gggcatgcgc	aaccagattg	5820
tccccgacgc	ccacaaggac	cacgccctca	agtggcgctc	ggacagtgcc	caagactgag	5880
cctgggggtgc	ccggcaccca	gaggggtgct	gccaccatg	ctcctgagcc	tccaagagc	5940
tgcagcccac	gggcccggcc	cggcctggcc	cttcagggga	tggccactgt	gaaggacgcc	6000
ttcccagcct	gcccgttgcc	aatctgctgt	gagagggggg	cctccctgcc	ttggggcctt	6060
agccctggct	ctgcactttt	cctccgggga	gaaaggacac	tgcccctccc	ccgacctggg	6120
cccacactgc	tgccttctcc	caggacggag	gcttttggac	cctcggaccc	catcccactc	6180
agccaagtgt	ctttctgtgt	ctggggggag	gaggggatga	tatccgtgtg	gttcgatgta	6240
ttatttttaa	gctccgtgag	tgcgtgggtc	aagtgtctgc	atgaagtgga	ataaactgcc	6300
caccgccaaa	aaaaaaaaaa	a				6321

<210> 6237  
 <211> 3387  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <221> misc\_feature  
 <222> (430)...(1935)  
 <223> similar to gil418759 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 6237						
ggaaatctgg	gaggagtgtc	cttggggcag	catttttaaaa	gggggaggga	actgcggcta	60
aagagacgtt	cggtgatggg	agcgcaatgt	atgaggggat	acagtgcctc	aggttttaaaa	120
gagcaggaag	ctgagtgaga	ggttgacaga	aaagtgtctt	cgctcggcag	aggttacagg	180
tggcatctca	gaaagagcct	tgaggctaca	ggctgtagtc	gggaagggga	tcggagaact	240
gtgtgaagg	acagcttagg	gactagcgtc	ctgggactag	ggggaagtgc	gcgactttct	300
gaagactggc	aggaatgtgc	ctcctggccc	tcgatgcttc	ccccctgagg	ggaggcatcg	360
tgagggactg	tggcaggctt	cactgaacgc	tgagccgggg	aggtccaact	ccacgtatgg	420
atccggggaa	tgagaattca	gccacagagg	ctgccgcgat	catagacctc	gatcccgact	480
tcgaacccca	gagccgtccc	cgctcctgca	cctggcccct	tccccgacca	gagatcgcta	540
accagccgtc	caagccgccc	gaggtggagc	cagatctggg	ggaaaaggta	cacacggagg	600
ggcgctcaga	gccgatcctg	ttgccctctc	ggctcccaga	gccggccggg	ggcccccagc	660
ccggaatcct	gggggctgta	acaggtcctc	ggaaggagg	ctcccgccgg	aatgcctggg	720
gaaatcagtc	atatgcagaa	ctcatcagcc	aggccattga	aagcgccccg	gagaagcgac	780
tgacacttgc	ccagatctac	gagtggatgg	tccgtactgt	accctacttc	aaggacaagg	840
gtgacagcaa	cagctcagca	ggatggaaga	actcgatccg	ccacaacctg	tccctgcaca	900
gcaagtccat	caaggttcac	aacgaggcca	ccggcaaaaag	ctcttggtgg	atgctgaacc	960
ctgaggggag	caagagcggc	aaagcccccc	gccgcccggc	cgcctccatg	gatagcagca	1020
gcaagctgct	ccggggccgc	agtaaaagccc	ccaagaagaa	accatctggg	ctgccagctc	1080
caccogaagg	tgccactcca	acgagccctg	tcggccactt	tgccaagtgg	tcaggcagcc	1140
cctgtctctg	aaaccgtgaa	gaagccgata	tgtggaccac	cttccgtcca	cgaagcagtt	1200
caaatgccag	cagtgtcagc	accggctgtg	cccccttgag	gccagagtct	gaggtgctgg	1260
cggaggaaat	accagcttca	gtcagcagtt	atgcaggggg	tgtccctccc	accctcaatg	1320
aaggtctaga	gctgttagat	gggtcaatc	tcacctcttc	ccattccctg	ctatctcgga	1380
gtggtctctc	tggcttctct	ttgcagcatc	ctggggttac	cggcccccta	cacacctaca	1440
gcagctccct	tttcagccca	gcagaggggc	ccctgtcagc	aggagaaggg	tgcttctcca	1500
gctcccaggc	tctggaggcc	ctgtcacct	ctgatacgcc	accaccccct	gctgacgtcc	1560
tcatgaccca	ggtagatccc	attctgtccc	aggctccgac	tcttctgttg	ctgggggggc	1620

tcccttcctc	cagtaagctg	gccacgggag	tcggcctgtg	tcccaagccc	ctagaggctc	1680
caggccccag	cagtctggtt	cccacccttt	ctatgatagc	accacctcca	gtcatggcaa	1740
gtgcccccat	ccccaaaggct	ctgggggactc	ctgtgtctcac	accccctact	gaagctgcaa	1800
gccaagacag	aatgcctcag	gatctagatc	ttgatatgta	tatggagaac	ctggagtgtg	1860
acatggataa	catcatcagt	gacctcatgg	atgaggcgca	gggactggac	ttcaactttg	1920
agccagatcc	ctgagtcagt	cctggaagct	ttgtcccctg	cttcagatgt	ggagccaggc	1980
gtgttcatat	ctactcttta	cccttgagcc	ctccccagga	atttgggacc	ctgctttaga	2040
gctaggggtg	ggtctggtca	cacacaggtg	ttgaagaaat	tataaagata	aagctgcccc	2100
atctggggag	gatatgggga	gggagatggg	aggggaaaagg	ggagagggtt	tttctcactg	2160
tgccaattag	gggtaaggc	cccctctcag	gagccatcat	cggctttccc	cattcctacc	2220
cacttaggct	ttgtagcaag	atgagcaatg	ctgttggaaa	tgtgaagtca	ccagtggcct	2280
taccctgccc	tttgggagca	ggattttttt	gtagagagtc	ttatctgagc	tgagccaggc	2340
tagctggagc	ctgggaatttc	tatgcagtgg	ccccttaggc	cagtgatgtg	cggtgggtgg	2400
gctgttttag	ggatctggaa	gggccaaggt	ctgagcaactg	gagtggctcg	ccaggccaaa	2460
tcacccttag	aaggctgcag	ataacagaaa	ggctttttat	aaacttttaa	agaaatataa	2520
acacaaatat	agagattttt	taaccatggc	agggtgctag	tggtggggcag	aatgcttttt	2580
tttctttctg	aaggctttgt	gatagtgaca	tgatacaaac	actacagaca	ataaatatta	2640
ggagacacag	ggaagtgggg	agagttgggg	agtaatagta	aacacaggga	agagctcccc	2700
tacggaccag	gtatagagaa	aggtctatgc	agaaataggt	tagagtttcc	ctaacaaaaa	2760
agctaaccga	ggtcccctca	ttccttcaac	ttgtgcctgg	gagtgtgtgg	tgttaggggtg	2820
cagccacact	cttctatgac	ccagcatggg	ttagtgtctat	ggtgggagag	tacattgaag	2880
gcctggaatt	agcttggggc	cagggaaggg	actgggaggg	gagagaagag	aaggagggaa	2940
ggatttagga	tggtaaagtt	aggtacagag	acctccctgt	tcaaggcccc	tgacagctgt	3000
ccctgccctt	cttccccttc	cctgactgca	ggggttatgt	ggaagtgtgt	gtggcagcag	3060
gcagcgggga	ggggaggaac	agggaaaggg	gagctgggga	gcttggctga	gggtctggga	3120
aatgagcagg	gatggggggg	gatgtggatc	aggtttacta	gcacctgcca	gggaggccat	3180
ctggggctcc	ttctccaccc	cagcccccaa	agcagccctt	ccccagtgcc	cctttgcata	3240
gtcccctccc	ccaccctgc	tgtgggttcc	catcatttcc	tgtgtcagcg	cctggcctac	3300
ccagattgta	tcatgtgcta	gattggagtg	gggaagtgtg	tcaaatcaat	aaatgaataa	3360
attcaataaa	tgctataaaa	aaaaaaaa				3387

<210> 6238

<211> 4005

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (269)...(2438)

<223> similar to gi2217931 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 6238

gcggccgccc	gggcccgggc	ccgcgtcggg	cgcttggttc	tgtacgcgag	cccggggatc	60
tgccgcttcc	gtgccccccc	tcccccgccc	gccctctcgt	ggagcccggc	gccggcgggc	120
gctgcccggg	cggggggttg	cggcgctcag	gagaggcccc	ggctccgccc	cgggcctgcc	180
cagggggaga	gcggagcggt	ccgcagccgg	gtcgggtcgg	ggccccctcc	gggaggagcg	240
tgagagcgcg	gcggcggcgg	cggcagcaga	aatgatggaa	gaattgcata	gcctgggacc	300
ccacgacgcc	aggaattatt	ggaggccagg	ttttactgga	ttaggtgtta	gtaagggacc	360
acttaatagt	gagtcctcca	accagagctt	gtgcagcgtc	ggatccttga	gtgataaaga	420



agttagagact	cccagagaaaa	agcagaatga	ccagcgaaat	cggaaaaagaa	aagctgaacc	480
atatgaaact	agccaaggga	aaggcactcc	taggggacat	aaaattagt	attactttga	540
gcgacgagta	gaacagcccc	tctatggttt	agatggcagt	gctgcaaagg	aggcaacgga	600
ggagcagctc	gctctgccaa	ccctcatgtc	agtgatgcta	gcaaaacctc	ggcttgacac	660
agagcagctg	gcgcaaaagg	gagctggcct	ctgcttcact	tttgtttcag	ctcagcaaaa	720
cagtcctca	tctacgggat	ctggcaacac	agagcattcc	tgcagctccc	aaaaacagat	780
ctccatccag	cacagacaga	cctcagtc	acctcacaat	agaaaaaata	tctgcactag	840
aaaacagtaa	gaattctgac	ttagagaaga	aggagggaag	aatagatgat	ttattaagag	900
ccaactgtga	tttgagacgg	cagattttgat	gaacagcaaa	agatgctaga	gaaatacaaa	960
ggaacggtta	aatagatggt	ttgacaatga	gccaagaaac	ttccttatag	aaaagtcaaa	1020
acaagagaa	atggcgtgta	gagataaag	catgcaagac	cgcttgagac	tggggcactt	1080
tactactgtc	cgacacggag	cctcattttac	tgaacagtgg	acagatgggt	atgcttttca	1140
gaatctttatc	aagcaaacgg	aaaggataaa	ttcacagagg	gaagagatag	aaagacaacg	1200
gaaaatgtta	gcaaaagcga	aacctcctgc	catgggtcag	gcccctcctg	caaccaatga	1260
gcagaaacag	cggaaaaagca	agaccaatgg	agctgaaaaat	gaaacgttaa	cgttagcaga	1320
ataccatgaa	caagaagaaa	tcttcaaaact	cagatttaggt	catcttaaaa	aggaggaagc	1380
agagatccag	gcagagctgg	agagactaga	aagggttaga	aatctacata	tcagggaact	1440
aaaaaggata	cataatgaag	ataattcaca	atttaaagat	catccaacgc	taaatagcag	1500
atatttgttg	ttacatcttt	tgggtagagg	aggtttcagt	gaagtttaca	aggcatttga	1560
tctaacagag	caaagatacg	tagctgtgaa	aattcaccag	ttaaataaaa	actggagaga	1620
tgagaaaaag	gagaattacc	acaagcatgc	atgtagggaa	taccggattc	ataaagagct	1680
ggatcatccc	agaatagtta	agctgtatga	ttacttttca	ctggatactg	actcgttttg	1740
tacagtatta	gaatactgtg	agggaaatga	tctggacttc	tacctgaaac	agcacaaatt	1800
aatgtcggag	aaagaggccc	ggtccattat	catgcagatt	gtgaatgctt	taaagtactt	1860
aaatgaaata	aaacctccca	tcatacata	tgacctcaaa	ccaggtaata	ttcttttagt	1920
aaatggtaca	gcgtgtggag	agataaaaaat	tacagattttt	ggtcttttcga	agatcatgga	1980
tgatgatagc	tctaacttcag	tggatggcat	ggagctaaca	tcacaaggtg	ctgggtactta	2040
ttggtatttta	ccaccggagt	gttttgtggt	tgggaaagaa	ccaccaaaaga	tctcaataaa	2100
agttgatgtg	tggtcggtgg	gtgtgatctt	ctatcagtgt	ctttatggaa	ggaagccttt	2160
tggccataac	cagtctcagc	aagacatcct	acaagagaat	acgattctta	aagctactga	2220
agtgcagttc	ccgccaaaagc	cagtagtaac	acctgaagca	aaggcgttta	ttcgacgatg	2280
cttggcctac	cgaaggagg	accgcattga	tgtccagcag	ctggcctgtg	atccctactt	2340
gttgccctcac	atccgaaagt	cagtctctac	aagtagccct	gctggagctg	ctattgcatc	2400
aacctctggg	gcgtccaata	acagttcttc	taattgagac	tgactccaag	gccacaaact	2460
gttcaacaca	cacaaagtgg	acaaatggcg	ttcagcagcg	ggtttggaac	atagcgaatc	2520
cgaatggatc	tgatgaaacc	tgtaccaggt	gcttttattt	tcttgctttt	ttcccatcca	2580
tagagcatga	cagcatcgat	tctcattgag	gagaaacctt	gggcagctcc	ggccaggcct	2640
tgtaggaaaa	ggccccgccc	gaggttccag	cgtaaacggc	cactgtgtgt	ggctgctctg	2700
agtgagga	aaattaaaaa	gaaaaactgg	ttccatgtac	tgtgaacttg	aaaacttgca	2760
gactcagggg	ggtccctgat	gcagtgcttc	agatgaagaa	tgtggacttg	aaaatacaga	2820
ctgggctagt	ccagtgctta	tatttaaact	tgttcttttc	ttttaataaa	gttttaggtaa	2880
catctcctga	aaagcttgta	gcacaaaggc	tcagctgggg	atggtgtttg	acttcggagg	2940
aaaaaagttg	ctattgcccc	ttaaaggcac	tagagttagt	gttttatccc	taaataattt	3000
caatttttaa	aaacatgcag	cttccctctc	ccctttttta	tttttgaaag	aatacatttg	3060
gtcataaagt	gaaacccgta	ttagcaagta	cgtggcaatg	ttcattccaa	tcagatgcag	3120
ctttctctc	cgtctggtct	cctgtttgca	attgcttccc	tcactctcag	agggaaaaaa	3180
attgagtggg	agtactgaga	tgtgtgggtt	tttgccattg	gacaaagaat	gaggttagaa	3240
gactgcagct	tggagtctct	ctaggttttc	aactatttct	tcacaatttg	aacacttgac	3300
ggttgctcct	tttaatttat	ttgaagtgtc	atttttttaa	ataaagggtc	atctgtccat	3360
gcagtcctct	tggattctct	gaatgtagta	actatgaagc	tatgccaaag	gtaggcagaa	3420
aatgggcttg	ggagccagac	actccaggga	tcagtagttc	ctacccatag	tctttgtgtg	3480
cttgctaaat	ggtgtacatt	tcttgttaac	cacgttatta	aaacttgatc	agcacataag	3540
ctttctctg	ttagatcttt	tggcagcaaa	caaccttccc	cccaaacctc	tgaattttgt	3600
gggtgtgtgg	tgtgtgtgtg	ctgtgtgtgc	atgtacacac	acactttgtc	tagctcactt	3660
taaaagattc	atcaaatgga	attttaaaaa	taacttgaaa	agaaattagat	atttcaggcc	3720
gggcctgtgtg	gttctagcct	gtaatcccag	cactttggga	ggccgaggtg	ggtggatcac	3780
gaggtcggga	gttcgagatc	agtctggtca	acatggtgaa	acgccatctc	tactaaaaat	3840

ataaaaatta	gcctggcgtg	gtggcgtgtg	cctctagtcc	cagctacccg	ggaggctgag	3900
gcaggagaat	ttctggaacc	caggaggcgg	aggttgagct	gagccgagat	ggcaccactg	3960
caatccagcc	taggcaacag	aatgagactc	tgtctcagaa	aaaaa		4005

<210> 6239  
 <211> 1612  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(1613)  
 <223> n = a,t,c or g

<220>  
 <221> misc\_feature  
 <222> (1586)...(981)  
 <223> similar to gi3850180 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 6239	
aagctcactc	tcgattgtgct caggccctcg cagggttgag gcattgcttt gggggaactg 60
tctgtgctcc	accagcctcc tcaactccag cagagagtgg aggaatgggt gagttcctgc 120
ccaggcagct	gggggccccca agcaggaaac ctgtgtagaa ccagagacca aaatcctttg 180
gaggaacaag	gattcatcac atgagaatta ctctcaaagt agagattctg gaggtgcccc 240
tgactctctg	gagagaagaa tgaatgaatg aatgaatgaa tgaatgaaca aaagagctta 300
catttattga	gcatgcttgt gctaagccct gggctggcct ttgtttcatt ggcaaacag 360
ccttgagagg	ttggtccatt atcaccctc agttcaggta agtggactga ggctgagaga 420
ggtgcacggg	tttgtcaggg tcacatagca catgaggaca gagccagacc aggagccctg 480
tgacatcctc	ggccaggatg ctaaccctaa ggacagtgc ggtcactctt cacaccgctg 540
tgaagggaga	ggctattgct ctgcacccac agctcagcaa tggggaccat gaacgcctct 600
aggcagccca	tgtatggggc cgctacctac ctggtaactg tccgcggctg tccatttgga 660
agagatattg	atgtgtttgt tttctcctcc ccagcctgtg ggctcctgga gccaaaggac 720
cccaccta	atcatcactag gcacaaaaca gctgctcaat aaatgtttac tgaatgaatg 780
aacgcata	gaaatcaatga aggaggcggg gaaggaaatga atgagtcagt ggagaacctg 840
aattggttcc	tcaagccagc ctccactgc cctgcatgcc ctcggcattc tcggacattt 900
cttggcacta	ggctgctcct gccacctcac tgccaggggt gatacagggc tgccggcctc 960
ttgcaagccg	gggaggccta cggtgtgccc gaggcacggg aacagtgtgc tgtactcctc 1020
ctggaagctt	aggctccttg atctccgcac ggccagggct gcggtcaggc tccaggtgaa 1080
gatggagaaa	aaggagaatg gcgatgggag gcccgggctt gcgtccgtcc cttcggttcag 1140
tgggttgtcc	ttgggcttgg agacctgcca ctggttgccc aaggtagcaa gaatcccan 1200
tgaaccagag	gaaagcccaa aaggctgctg ggtggggctc acccgagaca accggatgc 1260
cggacaggac	ggcttttctt gcggctcctg acgctgctga tctgcgggaa gtacacgtcc 1320
agggccagg	acagcaggca ggtgaggaag gcgagcacgc ccacggccac gccatagctg 1380
caggcggttg	gggtgcggtt gtagatgcag aactcctccc cctcgagggc gctgttgagg 1440
tagccctcgt	tcacgatgga gccgaacacc actatggaga acagctcaca tccgggcctg 1500
ctcctccagc	tcaccaggc ctctgtgtcc agctgcctat ccatgaagga tcgaattcca 1560
gaatcccaaa	ctctaaggctc aacatgagac caaggaggca tgcttgcctg tc 1612

<210> 6240  
 <211> 3176  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <221> misc\_feature  
 <222> (218)...(1791)  
 <223> similar to gil663700 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 6240

gcggccgccc	atggagaagg	ccaggagagg	cggggatggc	gtcccccggg	ggcccgact	60
gcacatcgtg	gtggtcggat	ttcaccacaa	gaagggctgc	caggttgaat	tctcttacct	120
gcccttgatt	ccaggagatg	gacatgacag	ccacacttta	cctgaagaat	ggaagtattt	180
gcccttcctt	gccttaccag	atggcgcaca	caactaccag	gaagatactg	tgttttttca	240
cttgccaccc	agaaatggaa	atggagccac	agtatttggt	atctcttgct	atcgacccaa	300
ttgaagccaa	ggcactgaaa	gtaaggcaag	cagatatcac	cagagagact	gttcagaaaa	360
gtgtctgtgt	tctaagcaag	ctgcctctgt	atggtttact	tcaagcaaaa	cttcaactca	420
ttacacatgc	atattttgaa	gagaaggatt	tttcccaa	ttctattcta	aaggagcttt	480
atgaacatat	gaatagttcc	ttgggagggt	cttcattaga	aggatcccaa	gtatatcttg	540
gtctgtcacc	tcgagatctt	gtccttcatt	ttcgacacaa	gggcttaatc	ctattttaagc	600
taattcttct	tgaaaaaaag	gttctttttt	atatttctcc	agtgaataaa	ttggtgggtg	660
cactgatgac	tgtgttatcc	ctttttccag	gcatgattga	acatgggtctc	agtgactggt	720
ctcagtatag	accccggaag	agtatgtctg	aagatgggtg	gcttcaggaa	agtaacccat	780
gtgcagatga	ttttgtttct	gcatccactg	ctgatgtttc	acataccaac	ttgggaacta	840
tcaggaaagt	catggcagga	aaccatggag	aagatgctgc	catgaagact	gaggagcctt	900
tgttccaagt	ggaagacagc	agcaaagggc	aggaacccaa	tgataccaat	caatatttga	960
aacctccatc	tcgcccattc	ccagattctt	cagaaagtga	ctgggaaact	ttggatccta	1020
gtgtcttaga	ggaccccaac	ttgaaagaaa	gggaacagct	gggatcagac	cagacaaaatt	1080
tgtttccaaa	ggactctgtc	ccctcagaga	gtcttccaat	tactgtacaa	cctcaagcta	1140
atacgggaca	ggtagtctctg	ataccagggc	tcatttcggg	tttggaaagag	gatcagtatg	1200
gcatgccctt	ggccatcttc	acaaagggat	atctgtgttt	gccttacatg	gcattgcagc	1260
agcatcatct	tctctccgat	gtcaccgttc	gggggtttgt	tgctggagct	actaacatcc	1320
tttttcgaca	acagaaacac	ctcagtgatg	ccattgtgga	agtagaagaa	gctctgatcc	1380
agatccatga	tccagaactc	aggaagctgc	ttaacccaac	cactgcagac	ctaaggttcg	1440
cagactacct	agtgaggcac	gtgactgaga	atcgggatga	cgtcttccta	gatggcacgg	1500
gctgggaggg	aggtgacgaa	tggatccggg	cccagtttgc	ggtctacatt	catgccctgc	1560
tggctgccac	gctgcaatta	gttctgttca	gaatagtga	cgtggcaaaa	aaaattggaa	1620
acgtcatggt	cacaactaag	ccggaatgtt	gtacaaacag	ggaaaagctg	ttggccagtc	1680
agttggagga	gctttttccc	agtgcacaaa	cagcttatgt	cttcatggct	ttccactttc	1740
accacttcca	ctccccaaag	tctcactgag	ccaccagatg	agaagccttg	agcaaggcgt	1800
cagaggctgc	tattgtcttc	tgagggttaa	gtgtccctg	tctgttttgt	ggtcccaggg	1860
ttgttactag	ccacagatcc	ccagcagggg	accaaattgtc	gaactgttta	catggatggt	1920
gctttaagt	aatgtttcgg	gatgccgaaa	tgatgaaatc	acagccaaag	cagggatggc	1980
tttccagggt	ggggtttcaa	ttgacaactt	ttatttcagt	ttgagcctga	ttaaaacata	2040
cagtgaacct	tctaataaat	tttgagtttt	gatattgtac	attggtttac	tttagaagag	2100
tttttactta	tgtaaatttt	gttctgtttt	ggtgtttgaa	tatctagatg	gtcactgtaa	2160
tttatacttg	ctaaaattaa	tttatattac	cattttctct	aaagttggcc	ttaaaacgtg	2220
cttataaagt	gaaggggtca	tacagttggg	ccttcattat	tttgctgaat	tatgtgatga	2280
tttttttgct	ttctaccac	aaaacattta	ttaattcact	tcctcccaga	aacatgaaag	2340

ttagaggtgg	tagttctgag	gattgggtgt	tttgttttac	gttttttagtt	tgttctttcc	2400
acatccttaa	aaacttggtt	tcagacatca	aggagtatca	ctgtgctttc	ctcctcttta	2460
taactgtgca	ggtgggtgtg	cagagaaata	gcagagtgat	ggttcgatga	tactgaagca	2520
gtttaacatg	aatgtgtctg	tagggcaata	ctttcaaaga	agacctatgt	gtttatTTTT	2580
caaccgcagt	catgttgca	tcttacaagc	actttttttt	tattccagag	tttgtgccat	2640
ctgtttctct	ttttttttgg	gggggggggg	gggcgggggtc	tcactctatc	gccagggtg	2700
gagtgcagt	gtgccatctc	ggctcactgc	aacctccatc	tcccgggttc	aagcaattct	2760
tgtacctcag	cctcccaagt	agctgggatt	atggacatgc	gccaccatgc	ccggctaagt	2820
ttttgtatTT	tagtagagac	gggggtttcac	catgttggcc	aggatggtct	cgatctcctg	2880
acctcgtgat	ccaccacccc	cgcctcccca	aagtgtctgg	attacaggca	tgagccactg	2940
cgcccgcca	gctgttatTC	ttatataagg	aattttttccc	tcttttttat	ttgttatcat	3000
tatggacggc	ttcatgggtc	ttctaatttg	attttgattg	actccattcc	aggttctttt	3060
ttatatttct	ccagtgaata	aattgggtgg	tgcactgatg	actgtgttat	ccctttttcc	3120
aggcatgatt	gaacatgggtc	tcagtgactg	ttctcagtat	agaccccgt	acgaaa	3176

<210> 6241  
 <211> 4450  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <221> misc\_feature  
 <222> (120)...(2513)  
 <223> similar to gi4929268 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 6241	
gcgcactctc	gcaaaaaacac
tctgtggaa	gagcgaaagc
tggaatcaac	tcgtgtttca
ggttaacatc	tgtggtcaca
tccccagatc	ttacacgatg
agagaactcc	aaacaatgtg
cttcaagctt	atctagccag
cctctcctac	atcccccttc
cattgtcttc	cacatctggt
cacaaagaga	agtctcaaga
agacgcctgg	gaagagtctt
tcgtagcatc	agttgaagca
aaattattgc	tattaacaac
ccatggctaa	ggctcaagaa
ctgggtcacc	tgaacaaaag
cttcaaatct	atctgtaaca
ccaaagaaat	caatggaatt
ccatttcttt	gaaaaactta
cggtggttcc	tgatcttcca
aagaggagga	gcggaagcgg
aaaaatatca	acgtgagcag
cagagagaga	gaattccaag
tgtctctgac	cacacgggag
acgaccgcgg	aacacctgtt
tgtcttctct	gcgttcacgg
ccggaaaaact	gatacagtca
gacaagggga	atctcatcac
tggagatatt	gaagacatta
cccggacgca	agccaactgg
agaagatgtg	acaaggctgc
ggctgccact	tctaaagcca
tggagaaggg	gaaatctccc
atggaagatc	agcataaacc
atgggatatt	cctgggatct
tcagctacaa	gtagatgatg
ttcaaaagag	tgggaggaag
tgtgagggcg	tatggaaagg
aatttacaac	tcagaaaaat
tcagagttct	aatattgaat
tgaatcaaaa	gcatctgaat
tgaacaagga	agctctgatt
gagtcgctgg	gtgtgggac
gcaggaccgc	ctactgcagg
gcaaagggcc	aaacaggagg
ggtcctaagc	tcaaacagca
agctacctgg	agtgaagggt

ccaagtcttc	agacagagaa	ggaacccgag	caggagaaga	ggagaggaga	cagccacaag	1440
aggaagttgt	tcatgaggac	caaggaaaga	agccgcagga	tcagcttggt	attgagagag	1500
agaggaaatg	ggagcaacag	cttcaggaag	agcaagagca	aaagcgggct	tcaggctgag	1560
gctgaggagc	agaagcgtcc	tgcggaggag	caaaagcgcc	aggcagagat	agagcgggaa	1620
acatcagtca	gaatatacca	gtacaggagg	cctgttgatt	cctatgatat	accaaagaca	1680
gaagaagcat	cttcagggtt	tcttcctggt	gacaggaata	aatccagatc	tactactgaa	1740
ctggatgatt	actccacaaa	taaaaatgga	aacaataaat	atntagacca	aattgggaac	1800
acgacctctt	cacagaggag	atccaagaaa	gaacaagtac	catcaggagc	agaattggag	1860
aggcaacaaa	tccttcagga	aatgaggaag	agaacacccc	ttcacaatga	caacagctgg	1920
atccgacagc	gcagtgccag	tgtcaacaaa	gagcctgtta	gtcttcctgg	gatcatgaga	1980
agaggcgaat	cttttagataa	cctggactcc	ccccgatcca	attcttgagg	acagcctcct	2040
tggctcaatc	agcccacagg	attctatgct	tcttcctctg	tgcaagactt	tagtcgcccc	2100
ccacctcagc	tgggtgtccac	atcaaaccgt	gcctacatgc	ggaacccctc	ctccagcgtg	2160
ccccacacct	cagctggctc	cgtgaagacc	tccaccacag	gtgtggccac	cacacagtcc	2220
cccaccccca	gaagccattc	cccttcagct	tcacagtcag	gctctcagct	gcgtaacagg	2280
tcagtcagtg	ggaagcgcag	atgctcctac	tgcaataaca	ttctgggcaa	aggagccgcc	2340
atgatcatcg	agtccttggg	tctttgttat	catttgcatt	gttttaagt	tggtgcctgt	2400
gagtgtgacc	tcggaggctc	ttcctcagga	gctgaagtca	ggatcagaaa	ccaccaactg	2460
tactgcaacg	actgctatct	cagattcaaa	tctggacggc	caaccgccat	gtgatgtaag	2520
cctccatacg	aaagcactgt	tgcagataga	agaagagggtg	gttgctgctc	atgtagatct	2580
ataaatatgt	gttgatgtgc	ttttttgctt	tttttttaaa	aaaaagaata	actttttttg	2640
cctcttttaga	ttacatagaa	gcattgtagt	cttggtagaa	ccagtatttt	tggtgtttat	2700
ttataaggta	attgtgtgtg	gggaaaagt	cagtattttac	ctgttgaatt	cagcatcttg	2760
agagcacaaag	ggaaaaaata	agaacctacg	aataattttg	aggcagataa	tgatctagtt	2820
tgacttttcta	gttagtggtg	ttttgaagag	ggtattttat	tgttttttta	aaaaaggttc	2880
ttaaacatta	tttgaaatag	ttaatataaa	tacataattg	catttgctct	gtttattgta	2940
atgtatttcta	aattaatgca	gaaccatatg	gaaaatttca	ttaaaatcta	tccccaaatg	3000
tgctttctgt	atccttcctt	ctacctatta	ttctgatttt	taaaaatgca	gttaatgtac	3060
catttatattg	cttgatgaag	ggagctctat	tttctttacc	agaaatgttg	ctaagtaatt	3120
cccaatagaa	agctgcttat	tttcattaat	gaaaaataac	catggtttgt	atactagaag	3180
tcttcttcag	aaactgggtga	gcctttctgt	tcaattgcac	ttgtaaataa	acttgctgat	3240
gcattttaacg	agtgggtcgt	ctttttctta	ggtgtatgtg	tctgacctca	ggccttttag	3300
ccatattttca	gtatgtggcc	ttttttgatg	ttatgtttta	tccagtagct	ttactaaggt	3360
ataattgatg	taataaaactg	catatatatta	aagtgtatac	tttgacaaat	tttgacatgg	3420
tgtatacctt	cgaaaactatg	ccacagtcctg	gatgtgttta	ctgaaacatt	tttaataagga	3480
agtttatattt	tgataaagtt	atgttttttg	atacaatata	tttgtatggg	gagagtgtatg	3540
aattgttgga	tcatttgaat	aaaatctttt	actaacccca	tgataaaaagg	agaagacaac	3600
agtgaagctta	gaatatctat	aaagcaaaaa	atgtagtctc	ttgttttaaa	aatctggagc	3660
gggaatgcaa	ggatacaaaa	cttttagcatg	ctttgagcaa	aaattttaaac	ttactggaat	3720
ctttttataat	aatgtaagt	gaatggaggga	ttctaggaac	tgagaactgt	attggaatag	3780
gttcaaaaata	tgtaagaaat	gctaattgtg	gagataaaaa	ttttatttag	tacttattct	3840
gattattatt	aaagtaaata	atgtgttcct	tgaggataac	ttgtcaaatg	ccccccaaag	3900
ccataaagaa	tataattttg	aatccccaaa	ttccccaaaga	caagaactct	gtgtttgaa	3960
tcattctgca	tataattatt	tataagtata	gattgtgaat	ttttccatgt	tcttaaaatt	4020
atttttatct	tttttcattg	ttgccatagt	gctcccattg	tttggccttg	gtaatatatta	4080
gttgataaatt	ccattactgt	gtattttttca	cttgtttcta	agatcaaaca	ttttaatatg	4140
tgcattgttat	atataaatat	gtaaattctg	tgatactcta	tgatcatctc	tttctttata	4200
ttattttcat	agacatggaa	atagttggct	cagagattat	ggcattttta	ggacactcat	4260
agtatatatt	ggccaaagt	gggtttccag	aaaggcactg	ctggcttcga	ctcctataag	4320
cagcacgtgg	gcttggtcat	ctcactgcac	gtttatgaag	atacagttct	ttgccttggt	4380
tctctgcctg	atgtgtatgc	agaggcagcc	ctcaatatgc	agtgggtgaa	taaatgaatg	4440
aagaaaccac						4450

<210> 6242  
 <211> 2477  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <221> misc\_feature  
 <222> (300)...(1807)  
 <223> similar to gi3930776 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 6242

gaggccgcag	ctcccgatgg	aaatcatatt	atgtagaata	cttgggtgac	atctgcctga	60
gagatctcca	agaattacag	attgagtctc	gctctgttgc	ccaggctgga	gcgcagtggt	120
gcaatctctg	ctcactgcaa	cctccgtctc	ccgagttcaa	gcagttctcc	tgccctcagcc	180
tcctgagtag	ctgggattac	agaagacaaa	aataactaatg	catttgagaa	agcggtagtt	240
ttggggggag	ggggaaaaag	caactgcttt	cctgatctgc	aacttggctg	gatgctaaga	300
tgtcagtgga	catgaatagc	caggggtctg	acagcaatga	agaggactat	gacccaaatt	360
gtgaggaaga	ggaagaagaa	gaagaagacg	accctgggga	catagaggac	tattacttgg	420
gagtagccag	cgatgtggag	cagcaggggg	ctgatgcctt	tgatcccag	gagtaccagt	480
tcacttgctt	gacctacaag	gaatctgagg	gtgccctcaa	tgagcacatg	accagcttag	540
cttctgtcct	aaaggatatct	cattcagttg	ctaaacttat	attagttaat	ttccactggc	600
aagtttcaga	gatattggac	agatacaagt	ccaattctgc	tcaactgctt	gttgaggctc	660
gagttcagcc	taatccatca	aaacatgttc	ccacatccca	tccccctcac	cactgtgcag	720
tgtgtatgca	gtttgtgcca	aaggaaaacc	tactctctct	ggcctgtcag	caccagtttt	780
gccgcagctg	ctgggagcag	cactgctcag	ttctcgtcaa	ggacggcgtg	ggcgtgggag	840
tctcttgcat	ggctcaggac	tgtccactcc	gtacaccaga	ggactttgtg	tttccattgc	900
ttcccaatga	agaattgaga	gagaaatata	ggcgctacct	cttcagggac	tatgtggaga	960
gtcattacca	gctccagctg	tgccctgggtg	cagactgccc	catggttatt	cgggtacagg	1020
agcctagagc	tcgcccagta	cagtgcaatc	ggtgcaacga	ggtcttctgt	ttcaagtgtc	1080
gtcagatgta	tcacgcaccc	acagactgtg	ccacaatccg	gaaatggctc	acgaagtgtg	1140
cagacgactc	tgaaacagcc	aactacatta	gtgctcacac	taaagactgt	cccaagtgca	1200
acatctgcat	tgagaagaat	ggaggctgca	atcacatgca	atgctccaaa	tgtaaacacg	1260
acttctgctg	gatgtgtcta	ggagattgga	agactcatgg	cagtgaatac	tatgagtgca	1320
gtcgttacaa	ggagaatcct	gacatcgtga	accagagcca	acaagcccag	gcgagggaag	1380
ccctcaagaa	gtacttattc	tactttgaga	ggtgggaaaa	ccacaataaa	agcttgacgc	1440
tagaggcaca	gacataccag	cggattcacg	agaagattca	ggagaggggc	atgaacaatc	1500
tggggacatg	gatcgactgg	cagtacctac	agaatgctgc	caagctcttg	gccaagggtc	1560
cttctcttct	ctcctgttgc	agtgtcgata	caccctgcaa	tacacctacc	catatgcata	1620
ttacatggag	tccggaccca	ggaagaagct	gtttgaatac	cagcaggctc	agctggaggc	1680
tgagatcgaa	aacctctcat	ggaaagtgga	gcgtgcagac	agctatgaca	gaggggactt	1740
ggagaaccag	atgcatatag	cggagcagcg	gaggagaacc	ctgctgaaag	atttccatga	1800
cacctaaagt	gggatgtgga	tgtgccgggg	tgaggaagat	gtggctgcaa	ggtctcccgg	1860
ctgccatact	gcatgctgca	ggctctgcct	ttcatgacct	caggcaacag	ccagggccccc	1920
actcctgaga	gacactggca	acacctctta	gttgatttct	gttttcttct	cttttcaactt	1980
tttgtttcta	ccagggtaga	ggccagtgtg	aactggcctc	ttttcaggac	ttttattttcc	2040
ccctggatgg	ttgttgggag	ggaggggaaag	tgttttctga	atggctatta	atagtattag	2100
atcattacaa	cttatgtaac	tttcaaagggt	tgtacaatta	tacaaaaaaa	aaaaaagggg	2160
caccttttgg	aaaaccacag	cccctttttt	aaaaaaaaat	gggattgggg	gggttaaccc	2220
ctcaaccggt	ttaattaaaa	aggaaaaata	ggcggccacc	ccccctaaaa	atgtttttcc	2280
tgaaaaaggc	cccgggccct	tttttttcaa	tattcccgtg	ggcccaaagt	ggaaccccaa	2340
aaaaaaacct	ggggggcaaa	atggtaggaa	atgaaacggc	cctgggaaag	ggccttgaac	2400
caaagggggt	cacaaaaggc	ctcctgcttt	accggggaaa	ccggagacag	ccaaaaaatg	2460
gtttttttgc	acagggg					2477

<210> 6243  
 <211> 2143  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <221> misc\_feature  
 <222> (603)...(1439)  
 <223> similar to gi5911844 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 6243  
 cgcagcgtcc cgccagccag ctcccttgcac ccttcgcggc cgaggcgctc cctggtgctc 60  
 cccgcgcagc catggctcag cacttctccc tggccgcctg cgacgtgggc ggattcgacc 120  
 tggaccacac tctgtgtcgc tacaacctgc ccgagagcgc cccgctcatt tataatagct 180  
 ttgcccagtt cctagttaag gagaaagggg acgataagga attgctcaat gtgaccccag 240  
 aggattggga tttctgttgc aaagggtttg cattggatct agaagatggg aacttcctta 300  
 aacttgcaaa taatggcact gttctcaggg caagccatgg caccaagatg atgactccag 360  
 aggtgctggc agaggcatat ggcaagaaa agtggaagca cttcttgtcg gacactggaa 420  
 tggcttgccg ctccaggaaag tattactttt acgacaacta ctttgacctg ccaggagctc 480  
 ttctgtgtgc cagggtggtg gactatttaa caaaactgaa caatggtcaa aaaacatttg 540  
 atttttggaa ggatatagtt gctgctatac aacacaatta taaaatgtca gcttttaagg 600  
 aaaactgtgg aatatatttt ccagaaaata aaagagatcc aggcagatat ttacatagtt 660  
 gtcctgaatc tgtgaaaaaa tggcttcgac agctaaagaa tgctgggaaa attcttctgt 720  
 taattaccag ttctcacagt gattactgta gacttctctg cgccatatat tcttgggaaat 780  
 gattttacag acctttttga cattgtgatt acaaatgcat tgaagcctgg tttcttctcc 840  
 cacttaccaa gtcagagacc tttccggaca ctcgagaatg atgaggagca ggaggcactg 900  
 ccatctctgg ataaacctgg ctggtactcc caagggaacg ctgtccacct ctatgaactt 960  
 ctgaagaaaa tgactggcaa acctgaacct aagggtgttt attttggtga cagcatgcat 1020  
 tcagatatatt tcccagctcg tcaactatag aattgggaga cagtcctcat cctggaagaa 1080  
 ctccagaggg atgaaggcac gaggagtcag aggcctgagg agtcagagcc tctagagaag 1140  
 aaaggaaaat atgagggacc aaaagcaaaa cctttaataa ctcatctaa aaaatggggc 1200  
 tcttttttta ttgattcagt tttgggactg gaaaatacag aagactcctt ggtttataca 1260  
 tggcttctga agagaatcag tacttacagc actattgcaa ttccaagtat tgaagcaatc 1320  
 gcagaattac ctctggacta caaatcttaca agattctctt caagcaattc aaaaacagct 1380  
 ggctactatc caaatcctcc actggtctta tcaagtgatg agacactgat atccaaataa 1440  
 gttgtcttta ctgaaaaatg aagtgaagac ccatatatgc agttaaaaaa aagttaattt 1500  
 tcaaaaaata ctgtaaaaga ctttaaggaa caagttttat tgaccaataa gttgatattt 1560  
 gtccataggt ctccctttcta taaatcatct tgatgtttta caactcttat tatattaaaa 1620  
 tctcagtatc ctaaaactta gaaccttatt gatattttct atacagtagt tttgtgatta 1680  
 gaattcacct ggggacacac actcacacgc acagtcactc ttacacatat gcctagtcca 1740  
 gtggttctca aagtgtgatc catagactaa tagcatagca ttacctgaga acttgataat 1800  
 gcataattgc agccccacg caaaacctgc tgaatcagaa gctctgagag taaggcctgc 1860  
 caatctggtt taacaagccc gtcaggtgat tctgatttac agtacagttt gagaccact 1920  
 ggctagaaca taccctccag agacttggtc taattggtct gggtaaatat ggctgagcgt 1980  
 tgttatcttt tgttatcttt tatatgccct aggaaagtac aaccagaatt gaaaaccaac 2040  
 tgatctatac cagttctttc aattaatagt caagaacatt gagtccagtg agattaagtg 2100  
 atttttgcag gctatgaggt tttatgctat tcctgtgttc tcc 2143

<210> 6244  
 <211> 1802  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <221> misc\_feature  
 <222> (140)...(1562)  
 <223> similar to gi386836 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 6244  
 aaacaaacaa aaaggaacca gaggccactt gtatatatag gtctcttcag cattttattgg 60  
 gggcagaaga ggaagatttc tgaagagtgc agctgcctga accgagccct gccgaacagc 120  
 tgagaattgc actgcaacca tgagtgagaa caataagaat tccttggaga gcagcctacg 180  
 gcaactaaaa tgccatttca cctggaactt gatggaggga gaaaactcct tggatgattt 240  
 tgaagacaaa gtattttacc ggactgagtt tcagaatcgt gaattcaaag ccacaatgtg 300  
 caacctactg gcctatctaa agcacctcaa agggcaaaac gaggcagccc tggaatgctt 360  
 acgtaaagct gaagagttaa tccagcaaga gcatgctgac caggcagaaa tcagaagtct 420  
 ggtcacctgg ggaaactatg cctgggtcta ctatcacatg ggccgactct cagacgttca 480  
 gatttatgta gacaaggtga aacatgtctg tgagaagttt tccagtccct atagaattga 540  
 gagtccagag cttgactgtg aggaaggggtg gacacggtta aagtgtggag gaaacccaaa 600  
 tgaagagcgc aaggtgtgct ttgagaaggc tctggaaaag aagccaaaga acccagaatt 660  
 cacctctgga ctggcaatag caagctaccg tctggacaac tggccaccat ctcagaacgc 720  
 cattgacctt ctgaggcaag ccattcggct gaatcctgac aaccagtacc ttaaagtcct 780  
 cctggctctg aagcttcata agatgcgtga agaaggtgaa gaggaaggtg aaggagagaa 840  
 gtttagttga agaagccttg gagaaagccc caggttgtaa cagatgtact tcgcagtgc 900  
 gcccaagttt tatcgaggaa aggatgagcc agacaaagcg attgaactgc ttaaaaaggc 960  
 tttagaatac ataccaaaac aatgcctacc tgcattgcc aattgggtgc tgctataggg 1020  
 caaaagtctt ccaagtaatg aatctaagag agaattggaat gtatgggaaa agaaagttac 1080  
 tggaactaat aggacacgct gtggctcatc tgaagaaagc tgatgaggcc aatgataatc 1140  
 tcttccgtgt ctgttccatt cttgccagcc tccatgctct agcagatcag tatgaagacg 1200  
 cagagtatta cttccaaaag gaattcagta aagagcttac tcctgtagcg aaacaactgc 1260  
 tccatctgcg gtatggcaac tttcagctgt accaaatgaa gtgtgaagac aaggccatcc 1320  
 accactttat agagggtgta aaaataaacc agaaatcaag ggagaaagaa aagatgaaag 1380  
 aaaaactgca aaaaattgcc aaaatgcgac tttctaaaaa tggagcagat tctgaggctt 1440  
 tgcattgtctt ggcattcctt caggagctga atgaaaaaat gcaacaagca gatgaagact 1500  
 ctgagagggg tttggagtct ggaagcctca tcccttcagc atcaagctgg aatggggaat 1560  
 gaagaataga gatgtggtgc ccactaggct actgctgaaa gggagctgaa attcctccac 1620  
 caagttggta ttcaaaatat gtaatgactg gtatggcaaa agattggact aagacactgg 1680  
 ccataccact ggacaggggt atgttaacac ctgaattgct gggctcttgag agagcccaag 1740  
 gagttctggg agagggacca gattgggggg taggtccacg ggcttggtga tagacatatt 1800  
 tc

<210> 6245  
 <211> 2614



```

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(2615)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (251)...(1039)
<223> similar to gi29604 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

<400> 6245

```

agcgggaaact gaaacctgat tacggtccga ccggccccga ttccccggtcg acccacgcgt      60
ccgcccacgc gtnccgaact ctggaggaac gctgagctga gcagcaccga ggacagcgcc      120
cggcagcgcc cgcgccagg tctccctccg cagccctgac tcgcgcacac gctgagcttt      180
tgctcactcc ctttcgcgcg gacacagaca cagcatatt cacacacca gacacacacc      240
ccgctgtaca atggcagaat cccacctgca gtcatccctc atcacagcct cacagttttt      300
cgagatctgg ctccatttcg acgctgacgg aagtggttac ctggaaggaa aggagctgca      360
gaaacttgatc caggagctcc agcaggcgcg aaagaaaggct ggattggagt tatcacctga      420
aatgaaaact tttgtggatc agtatgggca aagagatgat ggaaaaatag gaattgtaga      480
gttggtcac gtattacca cagaagagaa tttcctgctg ctcttccgat gccagcagct      540
gaagtcctgt gagggaattc atgaagacat ggagaaaata tgatactgac cacagtggct      600
tcatagaaac tgaggagctt aagaactttc taaaggacct gctagaaaaa gcaaacaaga      660
ctgttgatga cacaaaatta gccgagtata cagacctaat gctgaaacta tttgattcaa      720
ataatgatgg gaagctggaa ttaactgaga tggccagggt actaccagtg caggagaatt      780
ttcttcttaa attccaggga atcaaaatgt gtgggaaaga gttcaataag gcttttagag      840
tgtatgatca ggacggcaat ggatacatag atgaaaatga actggatgct ttactgaagg      900
atctgtgcga gaagaataaa caggatctgg atattaataa tattacaaca tacaagaaga      960
acataatggc tttgtcggat ggagggaagc tgtaccgaac ggatcttgct cttattctct      1020
gtgctgggga taactagagt tggtgccgc aaccacttgc tagtgataca ctgtatctaa      1080
aaaataactg tgcactataa gggagtaggc tgtattttct tttatatctg taaatttaac      1140
tgcataatga taattatcca ggatgtgtgg ctcatctttt tcagcttggt tctatactgt      1200
ttgtaataata cagtttttgt aaccatatga ttgaaaagaa gaaagtctat gcttaggcca      1260
gtcagtacac ccaattttaa aaaataacat attcttgctt tcacaaatat agttgaacaa      1320
gatttcccta aaaattccac caggattaat ctctaaaatt ctagtctctg atttgcaaat      1380
gcacatttgt cactgaataa tggaaattat tataacaagc caaacattct tattttagac      1440
aaccatagaa ctgtcccaca aaatatcttct aagcttattt ctaactatta ggaggaatgt      1500
gcttttccat ctaaaatact caccaaaata tagttaattg tggctttatg aagttaacag      1560
tctcattaca gatttagttt accaatcaac agcatgtcta ctgcttgat ccatacaaaa      1620
ctatcggttc aagttgatgt gacaagggaa gggagcacca gatgacacat aaatctgtct      1680
gattctatgc ctgtattttc aacaaactta ctgtcagaga atatgacct aatccatttt      1740
ctaaactggt ttcattgtgt gcaaaattat ctagtcaact gctgttttat gtcatactct      1800
gtgtaatctc tgattaaatt taatatactg catatcctgg tgtctagttt gcatacttcc      1860
tggattttct ttctatgtag aactgttcat ttccaccaag ggtatctgct gcctctgaaa      1920
atattttttt ctagctataa caactctatt ttttactaca taattaaatt ttaatgtaaa      1980
attcatagca tcctgattat tgaatgttat atcatcaata cttttgtgta ttctgtggat      2040
tctatatttc atattgagat cagcattcaa aatagttcta tttctatctg caaatagttt      2100
caaagaggtt taaaaaata acatctgaaa agaaatgcta atgtaatcat ttatcttatc      2160
tagcaagaag attctaaaac attctttaac atacatctaa gtcagtttca catatttgta      2220
gctagaatat cctatactgg ttatagttga tatgtaacag ttggtgattt tagatttctt      2280
tgattgtgaa acagggagct atgagagatg tgtccatgtg aaatttacag ttactgccta      2340

```

ggagttaatg	atcgttctgg	gtcagcttga	atgtcccat	tctataaatt	caacacttat	2400
tttctgaatt	cataaaaaata	accaaaaaaat	gtgagctata	atgtttccct	caagaacaaa	2460
cagaaacgag	atttgccaaa	aactaaaatt	caacaaatga	tggtgagtgg	gagattggct	2520
ttgccttttag	gcgtgtaaat	ggaagcactg	ccattagact	gaatttaact	actaagaata	2580
aataaagaag	aaaataacct	taaaaaaaaa	aaaa			2614

```

<210> 6246
<211> 5623
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (5510)...(934)
<223> similar to gi2370149 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

<400> 6246						
ttttttgata	tttaatgatg	tagcttctaa	atttggtagt	tctgtctttg	agtgtgaact	60
taaaaattat	gaagatgcgg	ctgggcgcgg	gggctcacac	ctgtcatcca	ggcacttttg	120
gactacaggc	atgagccact	gcatctggca	gcaacatata	tttcaaaaga	gtagcctggc	180
cactaggatc	tacctaccta	catttttggg	gcaaactatt	actttgggga	catctttctt	240
ttttcctttt	cttttttttt	tttttaattt	acagatgggg	tcttgttatg	tttcccaaga	300
ggctcaagtg	cagtggctat	tcacaggcat	gatcatagca	cactatagcc	ttgaactcct	360
ggcctcaagt	gatcttccca	catagctgag	acaacaggta	catgccactg	tgcccagcag	420
gacatttttc	ttaatagaaa	actactatcg	tgaagaatta	tgtttatctc	ttaactatgt	480
ctactcaact	agtttcaaca	tagtagtgaa	attaacagta	tcacgaaaag	caatgttcca	540
tgtaattttc	catgtcgaag	caatgttctt	tgacccaaca	tttgataaaa	tctcattctt	600
gatgctagct	atttcttggg	gtatgggttg	ctttaatcaa	cctctgcaaa	actccgatct	660
tagtaattcc	aagtgaaga	accttgctag	ttgttcttac	tctgtacaga	aatatatcag	720
tctggattga	ttggacttgg	agttctatct	tgatatgaca	attttttctg	gtaagacctt	780
gctcagaaat	atgacccatg	ttgtcaaatt	ttcataaata	tcttattttt	agaaatccca	840
tactactttt	acattaggct	ttctctttca	gtgttcacag	gcatcagagc	tctggatgaa	900
aaaggcagat	cccaactccc	acagcacgct	tttaccggtt	cccaacgatg	ctcaggccca	960
ggccccggcc	agctttcttc	tgcagatcca	caggggaaaat	ctccaagttc	tcctcatccc	1020
ggtagtgtgc	ctcatctcta	tacaccacca	gccgcacctt	ctgggggggtc	tgccctcaggg	1080
ctgtgatggc	ttcttcgtgg	ctggagttcc	tcagggtcaac	cccattaacc	aagggtgtgt	1140
cttttcctcc	cacaatgctg	agaccaagcc	ctgaacgtct	cttggaatatt	tctataatca	1200
tttctctgtc	agggacaatg	ggacacgttg	cgggggtccac	tgacagagga	gcctggaaac	1260
caccatagcc	tgtgaagtct	gcatctgttg	aatgggtatga	tgaagctggg	gctaattggt	1320
tctcttgtga	actgaaggag	acttttggtg	gatatttttg	ctgtttcatc	tggctgacag	1380
ccagtttgaa	gctttcactt	tcaggcaatt	gtttaatacc	aaccttcgag	gctgccatcg	1440
ttcctcacta	ctaataagggt	cgggtgccgct	ctgatcctca	atagaagatg	gagaacttga	1500
tggcactgga	aagggtagtaa	cggccatctg	attgactgca	tcctcggttc	tgatgaaaac	1560
cagcttgact	tttgatgggg	cagtcttaaat	aatggcagat	gcgatttttg	tgacttcttc	1620
catacagaat	ctgattgttt	atctctaaga	gttcatctcc	aatatgcatt	cgtccatctg	1680
cggcagcagg	tccttcgggg	ttaattccca	ccacaaatat	gctcatgcgt	gatcggctct	1740
tattaccagc	aaggctgagt	ccaagtccat	tcttatcttt	ttcaagttca	ataatgtgca	1800
gttctccagg	cagatctgca	tatctttgtc	tgattttttg	gtcggtaaag	gcatcttctt	1860
cttcattttc	atcactgtca	tcagtcagag	ctttataagg	aggaggaagt	ttcattggcg	1920

gtggagcagt	tccttgccctc	ttttctttct	tttcttgggt	gtcctgggtc	tggttacccg	1980
tgattttgtt	ggccttggtt	tgtacgttag	gaatgactcg	tgagtggtat	gacaaactct	2040
gaacaatgaa	caccacaggg	tttcttgc	tcttaatggc	ctcaactgct	tcgctgtgtg	2100
aggcattctg	caaacttact	ccagacacct	caagtatttt	atctccagtt	ttaagtgcgt	2160
tcgtcttccc	tgctggactg	tcttctaaaa	cttgtttgat	gaatatacct	ttaagctcct	2220
ctccattctt	tagacgtttt	ataacagttt	gtccaccaac	aatactgatc	ccaagagaca	2280
cattgggttc	tctaaaaatc	tcaacaattc	tccgttggacc	ccagtggcta	aaatttggag	2340
tttcttctcc	ttcgcttctt	tctctctcag	gtaactcaca	tgtatcagtg	gcatacttag	2400
aagacaacat	tctgtgtgat	gctgaggcct	tggaaataac	tcgtgtcgct	tggtgttgat	2460
ataaaggcaa	atcttcttgc	tcccttcttt	gagccacaac	aggaaggcca	atgagcaagc	2520
taggaccttg	gacatcattc	gggatcatgc	ctaaatccag	actagttttt	gctaataaat	2580
taagattttc	caggtcgtca	aatctgcctt	gttgactgtt	tccttcagtt	gatggtacag	2640
atggtaggga	ctccatgaca	aaattttctt	tcatcacatt	ttcagggcaa	tagccatacg	2700
gctgtgcctc	ctgggaatag	acagtcctcc	cggttcttgc	ctcttgagac	tcggatgggt	2760
cattatcatg	caaccactgt	gtaccaaagt	gaagtctatt	cacagagggc	acaggagtgg	2820
cctcttgaat	gtgcgacaag	ggatacaact	ccatggatgg	tgagggatct	tgatataact	2880
catattcttc	atcaacaagc	atttctcttt	cttcatccat	ttcctgcaat	ctaggagtca	2940
gaaattcatg	catctcccag	gcctccttgc	tttgccttat	ctctttttgt	tggaatgga	3000
aagactttcc	cagatctaga	aatggttcat	ccacaagtgc	ttcttttaaa	tatggttcat	3060
ctctaaatcc	cttgggtgct	tcgagtatta	aagatgaatt	tatatcatga	attgttctctg	3120
aaaattcagt	cttgtcttca	ttactgcttg	aatgtaaaat	ataacaactt	tcttcttcat	3180
tatcttccac	caaaggctta	cagatgccaa	ggtgtactag	gcctgggtggc	acagctttca	3240
atatttccac	agcttcagca	agtgaggtgt	tgtccaaacg	gtattcattg	actgagacca	3300
ggcgggtctcc	aggtaatagt	ccccacttcc	tttctgctac	accatctgct	accagggagc	3360
ggatcacaa	cactgatctt	gtaggatcta	aagggtcctg	gtaatccaaa	atgctgaatc	3420
ccaaaccttt	acaatctttt	actagttcaa	caatcttgac	ttcaggggac	cacagtgcct	3480
attccccatc	atcatcttct	tcagtattga	catccatatt	gtggtcaacc	tctgtctcag	3540
gaagagaggt	ttcagtgcgc	cttgggttcat	ctacagaagc	ttcatcatca	aacaacctcc	3600
gacagcaaac	caaagtaaaa	gggggtggca	cttcttttaag	aaaggagact	gcttctcggc	3660
gagattttcc	ataaagctgc	atgccattga	cctcaagcag	ctcatcttct	ggctgtagga	3720
gacccaatgt	atcaacagga	ccaccagaaa	caattgaaga	aataataatg	tgcccatcaa	3780
aggaatccac	ttccacacca	agcctcagag	tgtgaatagg	cagcagcttt	gaataattct	3840
gtaactcagc	atcatctgca	atctgtgtgt	ccaaagtagc	aaccattact	tcataatcag	3900
gacccaacag	gttttcccat	ctggatttca	gctcattttc	tgagagagtct	gggacttttt	3960
ccaatttttc	taaggcttgt	atgttgtcat	tttttaaaagt	atcaattctt	tctttaattt	4020
cctcatcttc	accatccaca	ttagtttcag	tttccactgc	tccagttaga	aagagagctg	4080
gtggtttcag	tggttctaca	acagttcctc	tgtctgaagg	tggttcaagt	ggagaagtag	4140
atgaggatgt	cttcccttca	actagggtta	ggtgtaccac	ctgccctgca	tttctgtaata	4200
cttcaacaac	atcatgggtg	gcaaaaccct	gaatgttcac	gccatcgaca	gcaactatct	4260
tgtcattcac	ttgaatgtgg	ccattgttgt	acgcagcact	gccaggtatt	atacttttca	4320
cataaatccc	tgaagcttcc	cctgtatgag	atgttccaac	atagccaaca	attctaattc	4380
caagactctg	cccatctttt	ctcacaagct	caacattata	agtttcaaaa	agagaactgt	4440
cagaaccagg	gcccttgctg	gctacagtag	gcagggcaac	aggtaaggct	gcaggggcag	4500
gggggggtgac	tgaaatgtca	ccagctggat	ctctagcaac	gagcatcctg	actgaattcc	4560
cacagttcct	tagaacttgt	gcaacttgct	cactggtcat	tccctgcacg	tttgtgccac	4620
caatcttcaa	gatgtggtcc	cctgtctgga	gtcttccatc	tcgatctgct	aatcctccag	4680
gaactatagt	cctcacaacc	acgccacttg	tttttccctc	aactattcca	aaacctagtc	4740
cagagccatc	attaatgagc	tcaacctctt	caacatggcc	ccaacaaact	gtttcaggca	4800
gagttgtatc	atttaggctg	ctagaagtac	tgctttttgt	gtggactggg	tccctggcca	4860
caatcagtct	caaagatcca	gtggttttgt	gtaataatgc	aattgcttgc	tgatgggaaa	4920
tgttctgata	caatggcgtg	tgattaatgg	ccaatatattg	atcattttcc	tttaattctt	4980
gatccctgtc	tgtacactc	cctggctgga	catccttcac	gaagatatca	acttttccga	5040
gattttgact	tctgagggcc	accacactga	atccaaggcc	tccagttaga	ggccgttcta	5100
tatctatata	ttcaatttgc	cggccctgag	ccatctgttg	aatgactgag	ttaaagtctt	5160
catttcccaa	cttcgggggc	cacggaaata	accagatac	agtcgagtta	ttagagggcc	5220
tgtggacatt	tccattagta	atggaaccat	ctgtgaacac	taacaaacct	ttcctagaaa	5280
aatcaaagtt	ggctgaacaa	tctgagggta	tatggttgag	ttgacccttc	agttgcttga	5340

tggactgctg	aagtgtgagt	atctggttga	agagaggact	ctttagtgtc	tcataaaaca	5400
tagataactt	ctcattctgc	gacgtgtcac	ccttctcctg	caatttcatt	ttcaggcgat	5460
caagtacctg	cagcacctgc	agtttatctg	tagcaggatt	ttcaggcatt	ttgaattatt	5520
ctcttcaatc	actcttaaag	acacctggtg	cgctggagga	gcagggtgga	gcccgggtcg	5580
ggcgggctcg	gtgtcgcccc	tgcctcacct	ggcggaagt	gag		5623

```

<210> 6247
<211> 1915
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (107)...(1555)
<223> similar to gil655598 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

<400> 6247						
atccagcctc	aggaactgcc	cccagccatc	gagccttggc	tacttaaggg	acctgggccc	60
aatccacagc	tgggacagtc	ctggcccact	gcactgggaa	tctaggatgg	gggccttggc	120
cagagccctg	ccgtccatac	tgtctggcatt	gctgcttacg	tccaccccag	aggctctggg	180
tgccaaacccc	ggcttggctg	ccaggatcac	cgacaaggga	ctgcagtatg	cggcccagga	240
ggggctattg	gctctgcaga	gtgagctgct	caggatcacg	ctgcctgact	tcaccgggga	300
cttgaggatc	ccccacgtcg	gccgtgggcg	ctatgagttc	cacagcctga	acatccacag	360
ctgtgagctg	cttcactctg	cgctgaggcc	tgtccctggc	cagggcctga	gtctcagcat	420
ctccgactcc	tccatccggg	tccagggcag	gtggaagggtg	cgcaagtcac	tcttcaaact	480
acagggtccc	tttgatgtca	gtgtcaaggg	catcagcatt	tcggtcaacc	tcctgttggg	540
cagcgagtc	tccgggaggc	ccacaggtta	ctgcctccag	ctgcagcagt	gacatcgctg	600
acgtggagggt	ggacatgtcg	ggagacttgg	ggtggctgtt	gaacctcttc	cacaaccaga	660
ttgagtccaa	gttccagaaa	gtactggaga	gcaggatttg	cgaaatgac	cagaaatcag	720
tgtcctccga	tctacagcct	tatctccaaa	ctctgccagt	tacaacagag	attgacagtt	780
tcgccgacat	tgattatagc	ttagtggaa	cccctcgggc	aacagcccag	atgctggagg	840
tgatgtttaa	gggtgaaatc	tttcatcgta	accaccgttc	tccagttacc	ctccttgctg	900
cagtcatgag	ccttctctgag	gaacacaaca	aatggtcta	ctttgccatc	tcggattatg	960
tcttcaacac	ggccagcctg	gtttatcatg	aggaaggata	tctgaacttc	tccatcacag	1020
atgacatgat	accgcctgac	tctaatatcc	gactgaccac	caagtccttc	cgacccttcg	1080
tcccacgggt	agccaggctc	taccccaaca	tgaacctgga	actccaggga	tcagtgccct	1140
ctgctccgct	cctgaacttc	agccctggga	atctgtctgt	ggacccctat	atggagatag	1200
atgcctttgt	gctcctgccc	agctccagca	aggagcctgt	cttccggctc	agtgtggcca	1260
ctaagtgtgc	cgccaccttg	accttcaata	ccagcaagat	cactgggttc	ctgaagccag	1320
gaaaggtaaa	agtggaaactg	aaagaatcca	aagttggact	attcaatgca	gagctgttgg	1380
aagcgctcct	caactattac	atccttaaca	ccttctaccc	caagttcaat	gataagttgg	1440
ccgaaggctt	cccccttcct	ctgctgaagc	gtgttcagct	ctacgacctt	gggctgcaga	1500
tcataaagga	cttcctgttc	ttgggtgcc	atgtccaata	catgagagtt	tgaggacaag	1560
aaagatgaag	cttgagggtc	acagctggat	ctgcttgttg	catttccagc	tgtgcagcac	1620
gtctcagaga	ttcttgaaga	atgaagacat	ttctgtctctc	agctccgggg	gtgagggtgtg	1680
cctggcctct	gcctccaccc	tctcctctt	caccagggtgc	atgcatgcc	tctctgagtc	1740
tggactttgc	ttccctcca	ggagggaacca	ccctccccga	ctggcctggg	atatctttac	1800
aagcaggcac	tgtatttttt	tattcgccat	ctgatcccca	tgcctagcag	agtgtctggca	1860
cttagtaggt	cctcaataaa	tatttattaa	atgatgagat	gatggaaaaa	aaaaa	1915

<210> 6248  
 <211> 1824  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <221> misc\_feature  
 <222> (1433)...(160)  
 <223> similar to gi5912226 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 6248  
 tttttttttt ttcagagaca aacacttttt aatttcagta gcagtaggga aaaataacag 60  
 catccatgca ttaaaactaa gagccttcac aaagacgttt caagatgtat tttgaacaaa 120  
 agaggacagg ctcttggggc ccctctgggt cctgcctcag cacatcgagt cctcaaattcc 180  
 gagtgaggaa agtctgggga gctgcactgt ggagccatca gaaagtacct ggagcggctg 240  
 ctgctgggct ggaaaagccg cagaagtcct cggcggtagc tggggttgct atggcaacag 300  
 gagtcccagg ctgcccgtgc tttctggcca caacctttac ctcatcatta atgacttcaa 360  
 agtggctcct cttcctcttc ttcaatgtcc aaatcattct gcctaagata tgcttgtaat 420  
 ggtccataca gtctctcctt gaaagctaag aaatccatca tgttcccttg aaagtgttgc 480  
 aagaaaaaca gttcaatcaa atactccttg aagacctcct tcagagcctg catctcctgg 540  
 tgatgatagt ccaggcactg cttcctcatc tgtgccatct ccggagaggc tgggggaatc 600  
 tcctctaact tcttgggaac cttcttcatt cccgtgttcc ccacagacgt gagtgggagg 660  
 ctggaaaagg ctggggggcac ggcagtcctg gaagggtctg tgggcggggg tggggacgtc 720  
 atcccaaacc ccgctgcgcc cccagccccg gggagcagca cgcggggcgt cctctcgaag 780  
 cccaggggcc ggggcagcgg cggccctgc agcactgct gctgctgaac cagctggccc 840  
 tggatgatgc tgctgatctg cggtggaag ttagccgtgg tgatgtggct tgggctggcc 900  
 aggggctgca ggccggcccc acccgcggt gcagggctct ggggtcccag gtggtggatg 960  
 gtgccccctg actgtgtgtg gggctgggag ggtctccgct ctcggaactgt gatgggcgta 1020  
 cccgggtgct ggagctgaac ctgggctccc tgggcgatct gggtgagccc tgacccatcc 1080  
 tgaaacacaa agtgtccacc actggagggg ctcaagctga tctgcctcac cagcacgctg 1140  
 gcatccacga agtcccctgt agggctgctg ctgcagaggc ccagcccagg gccaggggca 1200  
 cctgcacgca cattctgcaa ggcctgcccc ggccccggac tgggctgcgt gggactctgg 1260  
 gtctggacct gctgggacaa gggggacgtg acctgaatgt atgatggaga cccatgctca 1320  
 aaccgccgag gctgagcgt gaactggaag cctggagagg tggggctggg gagcggcagt 1380  
 ggggccagcg tgacctgtgg gcttcccttg agccagggc ccacgccctg cagggtcaaca 1440  
 ttcattgtct gccacccgc agggccccct ctcaccatca gctgctgtag ttggtggctg 1500  
 ggggatggca gtgtgagggg cagggacggc tgggagcacg ctggctgctc ctgcccgcg 1560  
 ccggggcagg cccagggcca ctggacatgg cgctggctgc tctgggagct gctgacgtgc 1620  
 tgcatgacta cgtcttcagg aatgtctccc taaacaaatg cagaaaagtt agagttgagt 1680  
 gaggtgagct ccatgcccgg gcgcctttcg gagcctgcac aggtgtctgg aaaggtggct 1740  
 caggaggggg caatgcgggc ccagcaaacc tcaggcacga gcctgctacc caggggcaaaa 1800  
 agtgctcaga tcagaatatc tgct 1824

<210> 6249

<211> 1937  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <221> misc\_feature  
 <222> (239)...(1877)  
 <223> similar to gi6018185 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 6249  
 cctccactgc cggggctggg cccggccgcg ggaaggaccg aaggggatac agcgtgtccc 60  
 tgcggcggct gcaagaggac taagcatgga tggcagccgg agagtcagag caacctctgt 120  
 ccttcccaga tatggtccac cgtgcctatt taaaggacac ttgagcacca aaagtaatgc 180  
 tttttgact gactcctctt ctctcagact aagcactctc cagctggtca agaatcacat 240  
 ggctgttcac tataataaaa tcctttcagc caaagctgca gtagactgct cggttccagt 300  
 aagcgtgagt accagcataa agtatgcaga ccaacaacga agagagaaac tcaaaaagga 360  
 attagcaciaa tgtgaaaaag agttcaaatt aactaaaact gcaatgcgag ccaattataa 420  
 aaataattcc aagtcacttt ttaatacctt acaaaagccc tcaggcgaac cgcaaattga 480  
 ggatgacatg ttaaaagaag aaatgaatgg attttcatcc ttgcaaggc cactagtacc 540  
 ctcttcagag agactacacc taagtctaca taaatccagt aaagtcatca caaatgggtcc 600  
 tgagaagaac tccagttcct ccccgctccag tgtggattat gcagcctccg ggccccggaa 660  
 actgagctct ggagccctgt atggcagaag gcccagaagc acattcccaa attcccaccg 720  
 gtttcagtta gtcatttcga aagcaccagc tggggatctt ttggataaac attctgaact 780  
 cttttctaac aaacaattgc cattcactcc tcgcacttta aaaacagaag caaaatcttt 840  
 cctgtcacag tatcgtctatt atacacctgc caaaagaaaa aaggatttta cagatcaacg 900  
 gatagaagct gaaacccaga ctgaattaag ctttaaattct gaggttggga cagctgagac 960  
 taaaaacatg acagattcag aaatgaacat aaagcaggta gcatctaatt gtgtgacata 1020  
 tgatgccaaa gaaaaaatag ctccctttacc tttagaaggc catgactcaa catgggatga 1080  
 gattaaggat gatgctcttc agcattcctc accaagggca atgtgtcagt attccctgaa 1140  
 gcccccttca actcgtaaaa tctactctga tgaagaagaa ctgttgtatc tgagtttcat 1200  
 tgaagatgta acagatgaaa ttttgaaact tgggtttatt tcaaacaggc ttttagaacg 1260  
 actgttcgag cgacatataa aacaaaataa acatttggag gaggaaaaaa tgcgccacct 1320  
 gctgcatgtc ctgaaagtag acttaggctg cacatcggag gaaaactcgg taaagcaaaa 1380  
 tgatgttgat atgttgaaatg tatttgattt tgaaaaggct gggaattcag aaccaaataa 1440  
 attaaaaaat gaaagtgaag taacaattca gcaggaacgt caacaattcc aaaaaggctt 1500  
 gggatatgtt attgtcggca ccaaaggatg agaacgagat attcccttca ccaactgaat 1560  
 ttttcatgcc tatttataaa tcaaagcatt ccagaagggg ttataattca acaggtgaat 1620  
 gatgaaacaa atccttgaaa cttcaacttt ggatgaaaat catcccaagt atttcagaca 1680  
 gttaaacaga tcgggaaact tctgtgaatg tcattgaagg tgatagtgac cctgaaaagg 1740  
 ttgagatttc aaatggatta tgtggtctta acacatcacc ctcccaatct gttcagttct 1800  
 ccagtgtcaa aggcgacaat aatcatgaca tggagttatc aactcttaaa atcatggaaa 1860  
 tgagcattga ggactgcctt ttggatgttt aatcttcatt aataaatacc tcaaatggcc 1920  
 agtaactcaa aaaaaaa 1937

<210> 6250  
 <211> 1049  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(1050)  
 <223> n = a,t,c or g  
  
 <220>  
 <221> misc\_feature  
 <222> (831)...(132)  
 <223> similar to gi2633297 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 6250  
 tttttttttt ttntgatcga aaggcaaata tttatattttc aggaagagaa acaggagacc 60  
 tcgaggcttc tggacttagg aggtccgggc agctgggtcca tgggtgtcca ggtagtgccg 120  
 cagggctgtg ggataatccg ttatgacgcc agtgggtccc acgctgaagg ctgcttcaaa 180  
 atccgactct tcattaaggc accaaaagac cacctgcacc cctcgctcct ccaagtgtcg 240  
 gatcagactc ttctctcatga tcagccattt cgaaaccaca gccataact ggttcaggca 300  
 agagcaggaa aatgggaaat aggtcctgtt gatgatgttg ggcaggaagc agaagaagaa 360  
 cttctcaggg attgggatga agggcagcag ccccaggtag taggaaagca gcacccagaa 420  
 tcctcggctt attgtgaagg acaggggcat ctgggggttg gcagccttgc atttcttcat 480  
 gaccgagctc ttctccgagg ccagatggt gatttcatta cggtcatagc gtctcaccaa 540  
 gcctgtctac ggatgagctc ttcggttcttc cctttgatct ctacgctcat ggggtgtcctt 600  
 ggaaacctct ggaacaggtc ctccagacga accatgcgcc ggtctgacct gtgagcaaag 660  
 tggcctggag agaagtaaac ctccagcttc tccttgtaga ggggcaggtc ctccaagtcc 720  
 aggtgcccc catccctgtt taggcccgcac tggcggcaca ggttctcatc atgtgacacc 780  
 accaccactc tgtcccggtg cagctgacag tcgagctcca ggaggtccga gcgctgggcc 840  
 atggagctgt ggggggtgaag gtcagcgggg ggcaggggca ggggactggg atgaggggca 900  
 tgggtggctgg gaggtggccg ggaatgtgag agcggagttc gtggcgggat gtgcaggcca 960  
 cctccagggg gcgccagtca ccagctagg aagtgaatgg cgtcccttgc tgtgatgcag 1020  
 tccacgacct gcacaccctc acatggcag 1049

<210> 6251  
 <211> 1388  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (538)...(87)  
 <223> similar to gi4929741 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 6251  
 tttttttttt ttccgcagaa aagaaattta ttaccaagct ataaattaga ggcggcgggg 60  
 tgggcggggg gagccgagca gtcacgtatg gggcatctgc cttttttctc tgtcctcctg 120  
 ggcctggatt ttgagttcct catccaggcg ctcttttgcg cggaccacct ttgactgcag 180  
 gtagaaggag ccaccacagg atttatcatt caccttaaata aagtgttcat agttcttctg 240

gacctcctca	gggctcagct	tggacacggt	gagaatctgc	tgtgcctcct	ggaggctgag	300
gccggagagg	ttggaagcgg	ctgcagaccg	gtgtccagcg	cgctcctcggg	catcagctgc	360
ggccccgctg	gctgtgtgga	catgtgggtg	atcgctcagt	cctcagcagc	ccacacttca	420
ccctgggcct	tccgagttgg	tggctcacc	ctgcaaactc	ctgccgcaag	gcccgtgcaa	480
aggccctgcc	caccacctgc	acgcccata	caatgatctg	ggccaggtag	ttggctggac	540
aggcaaggca	ggcgggtgaa	cttgaccgag	ctcccagagg	cagacttggc	cccacctcat	600
ccttcaggaa	aggcgtagag	gagcaaggca	aagtggctgc	aaccaccggc	ttcagggaaga	660
aacactgtgg	tctgggagcc	agaacacagg	gacagccctg	gacctggcag	taactcactc	720
tcgaccctgg	ggccgaccat	cactcttcct	gagtttctga	gatcatcagg	cccaaccttt	780
actttaccaa	cggggaaaca	gatctgtcct	aattctccca	agtccgaaga	ctttaagtcc	840
attccattca	ataaaacaaa	cttactatgc	aaacctgttt	ccatcttcaa	ggagctaaaa	900
gcccactagg	agggtattta	aacacactat	ggaccaaata	atgagggaga	gtcaggctcg	960
ttcatttgtg	cagccattgg	ttcaccatt	cattcaaaca	tctgctgaga	gtctactctg	1020
ctcagcactt	gagcacaagg	ctacacagaa	cctgggtccct	gccccgagtc	agagcacact	1080
gctggcctgg	cagggaaccc	cactgtcaca	caccaggctg	aacatgccgg	aacactgcac	1140
gtgtgattcc	atgccccgca	gaggccctgg	ggactcacta	agatgtgagc	ggaagcaaca	1200
gagtcgaggg	aaaactcaag	actgagatgg	gattcggtga	gaggaggggg	ttctgtgtga	1260
gaggagggcg	ttccgtgaga	ggaggggggt	ccgtgagagg	aggggggtcc	gtgagaggag	1320
ggggttctgt	gtgagaggag	ggggttctgt	gtgagaggag	ggggttctgt	gagaggaggg	1380
ggttccgt						1388

```

<210> 6252
<211> 6491
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (194)...(4099)
<223> similar to gi3327068 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

<400> 6252						
ctgcaggaat	tcggcacagag	ccggcacaaa	cctcagtggt	ggttctgtgg	ttgtttctgt	60
ctttttttga	tagaatcttt	gattagatct	gaatttactg	tatttgcca	tgtgaactat	120
tgggagcctc	ctagggtag	ggaaattaag	agctttcaga	ggaatgaggc	gactgatttg	180
caaacgcatc	tgtgattata	aaagcttcga	tgatgaagaa	tcagtggatg	gaaataggcc	240
atcatcagct	gcatcagcct	tcaaggttcc	tgcacctaaa	acatccggaa	atcctgccaa	300
cagtgaagg	aagcctgggt	cagcaggtgg	ccctaagggt	ggagcagggt	cttctaagga	360
aggaggtgct	ggagcagttg	atgaagatga	ttttataaaa	gcttttacag	atgtcccttc	420
tattcagatt	tattctagtc	gagaactcga	agaaacatta	aataaaatca	gggaaatttt	480
gtcagatgat	aaacatgact	gggatcagcg	tgccaatgca	ctgaagaaaa	ttcgatcact	540
gcttggtgct	ggagctgcac	agtatgattg	cttttttcaa	catttacgat	tgttggtatg	600
agcacttaaa	ctttcagcta	aggatcttag	atcccagggtg	gttagagaag	cttgatttac	660
tgtagcccac	ctttcaacag	ttttgggaaa	caagtttgat	catggcgctg	aagccattgt	720
acctacactt	tttaatctcg	tccccaatag	tgcaaaagtc	atggcaactt	ctggatgtgc	780
agcaatcaga	tttatcattc	ggcatactca	tgtaccaga	cttatacctt	taataacaag	840
caattgcaca	tcaaaatcag	ttcccgtgag	gagacgttca	tttgaatttt	tagattttatt	900
gttgcaagag	tggcagactc	attcattgga	aagacatgca	gccgtcttgg	ttgaaactat	960
taaaaaggga	attcatgatg	ctgacgctga	ggccagagtg	gaggcaagaa	agacatacat	1020



gggtcttaga	aaccactttc	ctggtgaagc	tgaaacatta	tataattccc	ttgagccatc	1080
ttatcagaag	agtcttcaaa	cttacttaaa	gagttctggc	agtgtagcat	ctcttccaca	1140
atcagacagg	tcctcatcca	gctcacagga	aagtctcaat	cgcccttttt	cttccaaatg	1200
gtctacagca	aatccatcaa	ctgtggctgg	aagagtatca	gcaggcagca	gcaaagccag	1260
ttcccttcca	ggaagcctgc	agcggttcacg	aagtgcacatt	gatgtgaatg	ctgctgcagg	1320
tgccaaggca	catcatgctg	ctggacagtc	tgtgcgaagc	gggcgcttag	gtgcagggtgc	1380
cctgaatgca	ggttcctatg	cgtcactaga	ggatacttct	gacaagctgg	atggaacagc	1440
atctgaagat	ggccgggtga	gagcaaaact	ttcagcacca	cttgctggca	tgggaaatgc	1500
caaggcagat	tctagaggaa	gaagtcgaac	aaaaatggtg	tctcaatcac	agcctggtag	1560
ccggtctggg	tctccaggaa	gagttctgac	cacaacagcc	ctgtccactg	tgagctctgg	1620
tgttcaaaga	gtcctggtca	attcagcctc	agcacaacaaa	agaagcaaga	taccacggag	1680
ccagggtctg	agcagagagg	ctagtccatc	taggctttca	gtggcccga	gcagtcgtat	1740
tcctcgacca	agtgtgagtc	aaggatgcag	ccgggaagct	agtcgggaga	gcagcagaga	1800
cacaagtcct	gttcgctctt	ttcagccctt	cgctccaga	caccattcca	gatcaactgg	1860
tgccctctac	gccccgaag	tgtatggggc	ctcaggtcca	ggttatggga	tcagccaatc	1920
aagtcgactg	tcgtcttctg	ttagtgccat	gcgagtcctg	aacacagggt	ctgatgtgga	1980
ggaggcgggtg	gcagatgcct	tgctcttagg	agacatacgg	actaagaaaa	aaccagctcg	2040
aagaagatat	gaatcatatg	gaatgcattc	agatgatgac	gccaacagcg	atgcatctag	2100
tgcttggttca	gaacgctcct	atagttctcg	aaatggtagt	attcctacat	atatgaggca	2160
gacgggaaga	tgtgggcaga	agtcctcaat	agatgtgcta	gttccaattg	gtcagaaagg	2220
aaagaaggcc	tcctaggtct	gcagaactta	ttaaaaaatc	agagaacact	aagtcgagtt	2280
gaactgaaaa	gattatgtga	aattttcaca	agaatgtttg	ctgacctca	tggcaagaga	2340
gtattcagca	tgtttttgga	gactctagtg	gatttcatac	aagtcacaa	agatgatctt	2400
caagattggt	tgtttgta	gctgacacaa	ctactaaaa	aaatgggtgc	tgatttgctt	2460
ggatctgttc	aggcaaaagt	tcagaaaagcc	cttgatgtta	caagagagtc	ttttccaaat	2520
gatcttcagt	tcaatattct	aatgagattt	acagttgatc	agacccagac	accaagctta	2580
aaggtgaagg	ttgctatcct	taaatacata	gaaactctgg	ccaaacagat	ggatccagga	2640
gattttataa	attccagtga	aactcgccta	gcagtgctc	gggtcatcac	ttggacaaca	2700
gaacccaaaa	gttctgatgt	tcggaaggca	gcacagtcag	tgctgatttc	attatttgaa	2760
ctcaataccc	cagagtttac	aatgttatta	ggagctttac	caaaaacttt	tcaggatggt	2820
gctaccaagg	tctctcataa	tcaccttcga	aacactggca	atggaaccca	gagttccatg	2880
gggagtcctt	tgacaagacc	aacaccacga	tcaccagcta	actggtccag	tcctcttact	2940
tctcctacca	atacatcaca	gaatacttta	tctccaagtg	catttgatta	tgacacagaa	3000
aatatgaact	ctgaagatat	ttatagctct	cttagagggtg	tcactgaagc	aatccagaat	3060
ttcagcttcc	gtagccaaga	agatatgaat	gagccattga	aaagggttc	taaaaaagat	3120
gatggcgatt	caatgtgtgg	tggtcctggg	gatgtctgac	ccaagagcag	gaggtgatgc	3180
tactgactca	agtcaaacag	ctctttgata	ataaagcttc	attgctccat	tcaatgccta	3240
ctcactcctc	tcacgctct	cgagactata	atccatataa	ctattcagat	agcatcagtc	3300
ccttcaacaa	gtctgccctc	aagggaagcca	tgtttgatga	tgatgctgac	cagtttctctg	3360
acgatctttc	cctagatcat	tctgacctag	ttgcagagtt	gttgaaggag	ctgtctaacc	3420
ataatgagcg	tgtagaagaa	agaaaaattg	ccctctatga	acttatgaaa	ctgacacagg	3480
aagaatcttt	tagtgtttgg	gatgaacact	tcaaaacaat	attgctttta	ttgcttgaaa	3540
cgcttgagga	taaagagcct	acaatcaggg	ctttggcatt	aaagggttta	agagaaatcc	3600
taaggcatca	accagcaaga	tttaaaaaact	atgcagaatt	gactgtcatg	aaaacattgg	3660
aagcacataa	agatcctcat	aaggaggtgg	tgagatctgc	tgaggaagcg	gcatcagtg	3720
ttggccactt	caatttagtc	cagagcagtg	catcaaagtc	ctttgtccta	tcattcaaac	3780
tgagactac	ccaattaatc	tggttgcaat	caaaatgcaa	acaaaagtga	tagagagagt	3840
gtccaaggaa	accctaaacc	tgcttttgcc	agagattatg	ccaggtctaa	tacagggtta	3900
tgataattca	gagagcagtg	ttcggaagc	ttgtgtcttc	tgctggtgg	ctgttcatgc	3960
ggtaattggt	gatgaactaa	aaccacatct	cagtcgaactt	actggcagta	aaatgaagct	4020
actgaatctt	tacatcaaac	gtgcacaaac	aggttctgga	ggagctgatc	ccactactga	4080
tgtttctgga	caaagttagt	gaagctcatc	acagcgaacc	aggtctctca	aaagaaagga	4140
cagatagacc	accctcatca	atgaaaggaa	gttctcaaac	acatcctttg	gaacttacta	4200
ttgtttccca	gttttagttt	tttgtttcgt	ttcgttttgt	attttctgta	acagaggact	4260
atcctcagtc	tgcatgtaac	ttttatgata	gttattccaa	attcaagaag	aagcagtatt	4320
aacatcaatt	gatcgacaca	aagtaatttt	taatttaatt	catcatttca	catgtttgta	4380
ctttgtcttc	ccattaacct	ttgccagtg	tatgattgta	taaatttttt	taaatgctgg	4440

ttaaaccagga	atgcttaaaag	ctttaaaaagt	ttaacagtcct	aaaacattttt	tgctttttatt	4500
caactgcaga	ataatatTTTT	tattgctact	ttgagttttg	tttctgtatca	tgtccttatgc	4560
tagaaatatt	taaatgatgt	gaaacaaaagc	aggactaatt	tgaactacag	ctggactccg	4620
tttgtgtgat	ggtgatacat	gtcattagtt	gcaacttctt	tggggtgatc	tatagtttga	4680
aaactaaaac	ctcaaagaca	gatgttacag	aatcagccag	ttctgtaaaa	ctgatattgt	4740
ctattgggta	ttgatcttgc	catctttatt	taaaaccatg	tcccttctat	gatcccttaa	4800
gaaagctgca	ccaaatcatc	tgctgtttt	ttcttgatac	ttactgaaat	agaaggtttt	4860
attgcagggt	ttatttttgt	ttgtttatat	ctttgttggtg	aatgatgctt	ttttgtattt	4920
attaatatca	aattcactta	tgaataaaact	tgataatgga	aacggacaaa	aaaaatcaag	4980
tgctgtgtgt	tccttgaccg	tcttctgttt	ctcacgtaat	aaacaaatta	tcgagacatg	5040
ggagtgacca	gcaccttttc	tttaaatggt	ggaacctggt	ttcctttttac	catgaaattg	5100
tcttacttga	aaatattgat	cctgatgaga	gagaagatgg	tgccaagggt	gtctttgtat	5160
aatgggctca	aattctctac	ctcttcagggt	ctaatacttt	taactgagct	gctgcctata	5220
gtgtcttttg	gaaaactact	taaagggtga	ttttctgtta	cttttttagca	aatttttttta	5280
atcacctctt	gctacaccca	ttctttttcat	gtgcagccga	ctcaaaaatt	accagttttg	5340
gtgaaaggtt	aaattagata	atttgggaacc	aggatactaa	tgattttctca	tctttacttt	5400
tttttaatcc	taataataaag	tgaatttgat	tgaaaaggca	aatagctatt	agggaaagcag	5460
tttgccattg	ttgcagagtt	atctgtactt	tgtttaactg	aaaaaaatgt	agaaatatat	5520
gtaaagaatt	taagacaaga	gtactgaatg	gatgatattgt	cataggcttt	gcccccttctt	5580
tctgttctag	cagcaggaaa	agtttctcta	tatcctctcc	ctctacctgt	aacaattttg	5640
ttttctactg	tttaattacat	tgtgtattta	tagttctatg	cttactgttg	tgcatatact	5700
ggcaataaaa	ctgtacataa	cattacttga	aaaagttaat	aatgtatatc	agtttttctg	5760
tctcactgtg	taacaagtca	ctcagtttta	ttttaacttt	agacgggtctt	gtatcagtggt	5820
tggtctcttg	aattttgtaa	gttcatctga	ggagaaaaga	tttttcagggt	gtagctacca	5880
caatcaaagg	tatatagcta	catacgcatg	tatatattac	agcttatctg	taagaagaaa	5940
atgcatttta	aacacaactc	ttctcagtag	catttttatga	cctttggata	tgtttgtaat	6000
catttcgaat	caaaaatattg	atttaatttt	gacctctggt	ttaagatact	gctttaacta	6060
ctgttgacaa	ccaagtagag	tgacttaagc	tgaacagtaa	ctaactggaa	aattcgataa	6120
gcacctggca	tctaattggca	ggcaggcact	caagatatga	attaactaca	taatggaaaa	6180
atatggttta	acgtgtccaa	atgaaagcta	gtagatgtaa	acatggaaaa	attgtgttta	6240
caattttata	atctcagttg	ataagactat	aagaaagctg	attattttaa	tcactatata	6300
caatacacc	ttaaatttgtt	cattccagaa	acatactgag	atgtcagcta	cttaaaaaatg	6360
gtcacaaaaa	gctactgttt	atatttttcc	tctgtctatt	ctctcccaaa	ttaattatta	6420
ataagtgttg	ttcattttact	gcactgctga	gaactaatt	aaattatata	ttccagattg	6480
taaaaaaaaa	a					6491

```
<210> 6253
<211> 1366
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> (187)...(793)
<223> similar to gil370222 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```

<400> 6253  
agcacactcc agaaaaaaaaac ttcccaaaccc ctggggcaact gaggttctga tgtggagctc 60  
tggatggaaa gcgtgctgaa gtcttgtaa actagcaagc ttttgtttgq aagtccaccg 120

ccgaaggcgc	acaggcctgt	gggaacacga	gcgttgagac	tgggggcgtc	tagatgatcc	180
aagggctcgg	acctcaggca	catgcgaatg	acccggagtg	tggacaacgt	ccagttcctg	240
ccctttctca	ccacggaagt	caagtgaagg	gccgacggct	gcgcaacctg	ggctggctga	300
gttatggggc	tttgaaggga	gacgggatcc	tcacgtcgtg	caacacagtg	ggtgctgcgc	360
ttcagaccct	gtatatcttg	gcatactctg	attactgccc	tcggaagcgt	gttgtgctcc	420
tacagactgc	aaccctgcta	ggggctcctc	tcttggttta	tggctacttt	tggctcctgg	480
tacccaaccc	tgaggcccgg	cttcagcagt	tgggcctctt	ctgcagtgtc	ttcaccatca	540
gcatgtacct	ctcaccactg	gctgactttg	ctaagggtgat	tcaaaactaaa	tcaacccaat	600
gtctctccta	cccactcacc	attgctaccc	ttctcacctc	tgccctcctg	tgccctctatg	660
ggtttcgact	cagagatccc	tatatcatgg	tgtccaactt	tccaggaatc	gtcaccagct	720
ttatccgctt	ctggcttttc	tggaagtacc	cccaggagca	agacaggaac	tactggctcc	780
tgcaaacctg	aggctgctca	tctgaccact	gggcacctta	gtgccaacct	gaaccaaaga	840
gacctccttg	tttcagctgg	gcctgctgtc	cagcttccca	ggtgcagtgg	gttgtgggaa	900
caagagatga	ctttgaggat	aaaaggacca	aagaaaaagc	tttacttaga	tgattgattg	960
gggcctagga	gatgaaatca	ctttttattt	tttagagatt	ttttttttta	attttgagg	1020
ttggggtgca	atcttttagaa	tatgccttaa	aaggccgggc	gcgggggctc	acgcctgtaa	1080
tcccagcact	ttgggaggcc	aagggtgggcg	gatgcgctga	ggtcaggagt	tcaagaccaa	1140
cctgactaac	atggtgaaac	cccactctcta	ctaaaaatac	aaaattagcc	aggcatgatg	1200
gcacatgcct	gtaatcccag	atacttggga	ggctgaggca	ggagaattgc	ttgaacccag	1260
gaggtggagg	ttgcagtga	ctgagatcgt	gccattgtga	tatgaatatg	ccttatatgc	1320
tgatatgaat	atgccttaaa	ataaagtgtt	ccccaccct	gcaaaa		1366

<210> 6254

<211> 5805

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (236)...(4528)

<223> similar to gi2094873 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 6254

tttcgtggcg	cgggagccga	gaggtggcgc	gggggtgcca	ccgttgccgc	aggctggaga	60
gagattgctc	ccagtgaagg	gcgtaccgtc	tgggcgaggg	cttcattctt	ccgcggcgctc	120
cctggaggac	tggagactga	tgcatgaggg	ggctacggag	gcgcaggagc	ggtggtgatg	180
gtctgggaag	cggagctgaa	gtgccctggg	ctttggtgag	gcgtgacagt	ttatcatgac	240
cgtgttcagg	caggaaaacg	tgatgatta	ctacgacacc	ggcgaggaac	ttggcagtgg	300
acagtttgcg	gttgtgaaga	aatgccgtga	gaaaagcacc	ggcctccagt	atgccgcaa	360
attcatcaag	aaaaggagga	ctaagtccag	ccggcggggg	gtgagccgcg	aggacatcga	420
gcgggagggtc	agcatcctga	aggagatcca	gcaccccaat	gtcatcacc	tgacgaggt	480
ctatgagaac	aagacggacg	tcatacctgat	cttggaaactc	gttgaggtg	gcgagctgtt	540
tgacttctta	gctgaaaagg	aatctttaac	tgaagaggaa	gcaactgaat	ttctcaaaaca	600
aattcttaat	ggtgtttact	acctgcactc	ccttcaaatc	gcccactttg	atcttaagcc	660
tgagaacata	atgcttttgg	atagaaatgt	ccccaaacct	cggatcaaga	tcattgactt	720
tgggttggcc	cataaaattg	actttggaaa	tgaattttaa	aacataattg	ggactccaga	780
gtttgtcgct	cctgagatag	tcaactatga	acctcttggt	cttgaggcag	atatgtggag	840
tatcggggta	ataacctata	tcctcctaag	tggggcctcc	ccatttcttg	gagacactaa	900
gcaagaaaacg	ttagcaaatg	tatccgctgt	caactacgaa	tttgaggatg	aatacttcag	960

taataaccagt	gccctagcca	aagattttcat	aagaagactt	ctggtcaagg	atccaaagaa	1020
gagaatgaca	attcaagata	gtttgcagca	tccctggatc	aagcctaaag	atacacaaca	1080
ggcacttagt	agaaaagcat	cagcagtaaa	catggagaaa	ttcaagaagt	ttgcagcccg	1140
gaaaaaatgg	aaacaatccg	ttcgcttgat	atcactgtgc	caaagattat	ccaggtcatt	1200
cctgtccaga	agtaacatga	gtgttgccag	aagcgatgat	actctggatg	aggaagactc	1260
ctttgtgatg	aaagccatca	tccatgccat	caacgatgac	aatgtcccag	gcctgcagca	1320
ccttctgggc	tatttatcca	actatgatgt	taaccaaccc	aacaagcacg	ggacacctcc	1380
attactcatt	gctgctggct	gtgggaatat	tcaaatacta	cagttgctca	ttaaaagagg	1440
ctcgagaatc	gatgtccagg	ataagggcgg	gtccaatgcc	gtctactggg	ctgctcggca	1500
tggccacgtc	gataccttga	aattttctcag	tgagaacaaa	tgcccttttg	atgtgaaaga	1560
caagtctgga	gagatggccc	tccacgtggc	agctcgctat	ggccatgctg	acgtggctca	1620
agttacttgt	gcagcttcgg	ctcaaattccc	aatatccagg	acaaggaaga	agaaaccccc	1680
ctgcactgtg	ctgcttggca	cggctattac	tctgtggcca	aagccctttg	tgaagccggc	1740
tghtaacgtga	acatcaagaa	ccgagaagga	gagacgccc	tcctgacagc	ctctgccagg	1800
ggctaccacg	acatcgtgga	gtgtctggcc	gaacatggag	ccgaccttaa	tgcttgcgac	1860
aaggacggac	acattgccct	tcatctggct	gtaagacggt	gtcagatgga	ggtaatcaag	1920
actctcctca	gccaagggtg	tttcgtcgat	tatcaagaca	ggcacggcaa	tactccccctc	1980
catgtggcat	gtaaagatgg	caacatgcct	atcgtgggtg	ccctctgtga	agcaaactgc	2040
aatttgga	tctccaacaa	gtatgggcga	acgcctctgc	accttgccggc	caacaacgga	2100
atcctagacg	tgggtccggt	tctctgtctg	atgggagcca	gcgttgaggc	gctgaccacg	2160
gacggaaaga	cggcagaaga	tcttgctaga	tcggaacagc	acgagcacgt	agcaggtctc	2220
cttgcaagac	ttcgaaagga	tacgcaccga	ggactcttca	tcacagcagc	ccgacccaca	2280
cagaacctgc	agccaagaat	taagctcaag	ctggttgccc	actcgggatc	cgggaaaacc	2340
acccttgtag	aattctctcaa	gtgtgggctg	ctgaggagct	ttttcagaag	gcgtcggccc	2400
agactgtctt	ccaccaactc	cagcaggttc	ccaccttcac	ccctggcttc	taagcccaca	2460
gtctcagtga	gcatcaacaa	cctgtaccca	ggctgcgaga	acgtgagtgt	gaggagccgc	2520
agcatgatgt	tcgagccggg	tcttaccaaa	ggratgctgg	aggtgtttkt	ggccccgacc	2580
caccaccgcg	actgctcggc	cgatgaccag	tccaccaagg	ccatcgacat	ccagaacgct	2640
tatttgaatg	gagttggcga	tttcagcgtg	tgggagttct	ctggaaatcc	tgtgtatttc	2700
tgctgtwatr	actattttgc	tgcaataaat	cccagtcaca	tcacatgttg	tgtctttagt	2760
ctagaagagc	cctatgagat	ccagctgaac	ccagtgattt	tctggctcag	tttcttgaag	2820
tccttgttcc	cagttgaaga	acccatagcc	ttcgggtgca	agctgaagaa	ccactccaa	2880
gttgtcctgg	tggccaccca	cgctgacatc	atgaatgttc	ctcgaccggc	tggaggcgag	2940
tttgatatg	acaaagacac	atcgttgctg	aaagagatta	ggaacagggt	tggaaatgat	3000
cttcacattt	caaataagct	gtttgttctg	gatgctgggg	cttctgggtc	aaaggacatg	3060
aagggtacttc	gaaatcatct	gcaagaaata	cgaagccaga	ttgtttcggg	ctgtcctccc	3120
atgactcacc	tgtgtgagaa	aatcatctcc	acgtgcctt	cctggaggaa	gctcaatgga	3180
cccaaccagc	tgatgtcgct	gcagcagttt	gtgtacgacg	tgacaggaca	gctgaacccc	3240
ctggccagcg	aggaggacct	caggcgcat	gctcagcagc	tcacagcac	aggcgagatc	3300
aacatcatgc	aaagtgaaac	agttcaggac	gtgctgctcc	tggacccccg	ctggctctgc	3360
acaaacgtcc	tggggaagtt	gctgtccgtg	gagaccccac	gggcgctgca	ccactaccgg	3420
ggccgctaca	ccgtggagga	catccagcgc	ctggtgcccg	acagcgacgt	ggaggagctg	3480
ctgcagatcc	tcgatgccat	ggacatctgc	gcccgggacc	tgagcagcgg	gacctggtg	3540
gacgtcccag	ccctgatcaa	gacagacaac	ctgcaccgct	cctgggctga	tgaggaggac	3600
gaggtgatgg	tgtatgggtg	cgtgcgcac	gtgcccgtgg	aacacctcac	cccccttcca	3660
tgtggcatct	ttcacaaggt	ccaggtgaac	ctgtgccggg	ggatccacca	gcaaagcaca	3720
gagggcgacg	cggacatccg	cctgtgggtg	aatggctgca	agctggccaa	ccgtggggcc	3780
gagctgctgg	tgctgctggg	caaccacggc	cagggcattg	aggtccaggt	ccgtggcctg	3840
gagacggaga	agatcaagtg	ctgcctgctg	ctggactcgg	tgtgcagcac	cattgagaac	3900
gtcatggcca	ccacgtgcc	agggtcctg	accgtgaagc	attacctgag	ccccagcag	3960
ctgcgggagc	accatgagcc	cgtcatgatc	taccagccac	gggacttctt	ccgggcacag	4020
actctgaagg	aaacctcact	gaccaacacc	atgggggggt	acaaggaaag	cttcagcagc	4080
atcatgtgct	tcgggtgtca	cgacgtctac	tcacaggcca	gcctcggcat	ggacatccat	4140
gcatcagacc	tgaacctcct	cactcggagg	aaactgagtc	gcctgctgga	cccggccgac	4200
cccctgggga	aggactggtg	ccttctcgcc	atgaacttag	gcctccctga	cctcgtggca	4260
aagtacaaca	ccaataacgg	ggctcccaag	gatttcctcc	ccagccccct	ccacgccttg	4320
ctgcgggaat	ggaccaccta	ccctgagagc	acagtgggca	ccctcatgtc	caaactgagg	4380

```

gagctggggtc gccgggatgc cgcagacttt ttgctgaagg catcctctgt gttcaaaaatc 4440
aacctgggatg gcaatggcca ggaggcctat gcctcgagct gcaacagcgg cacctcttac 4500
aattccatta gctctgttgt atcccgtga gggcagcctc tggcttgggc aggtctgtt 4560
tggaactgcag aagcaagggg gtgatgtagc ccactcctcc ctttggagat gctgaggggtg 4620
tttcttcctg caccacagc caggggggatg cactcctcc ctccggcttg acctgtttct 4680
ctgccgtac ctccctcccc gtctcattcc gttgtctgtg gatggtcatt gcagtttaag 4740
agcagaacag atcttttact ttggccgctt gaaaagctag tgtacctcct ctcagtgttt 4800
tggaactccat ctctcatcct ccagtacctt gcttcttact gataattttg ctggaattcc 4860
taacttttca atgacatttt ttttaactac tatattgatt gtcctttaaa aaagaaaagt 4920
gcataatttat ccaaaatgtg tatttcttat acgcttttct ttgttatacc atttcctcag 4980
cttatctctt ttatatgtgt aggagaaact cccatgtatg gaatcccact gtatgattta 5040
taaacagaca atatgtgagt gccttttgca gaagagggtg tgtttgaaat catcggagtc 5100
agccaggagc tgtcaccaag gaaacgctac ctctctgtcc cttgctgtat gctgatcatc 5160
gccagagggtg cttcacccctg agttttgttt tgtattgttt tctgacagtt tttctgtttt 5220
gtttggcaag gaaagggggag aagggaatcc tcctccaggg tgattttatg atcagtgttg 5280
ttgctctagg aagacatttt tccgtttgct tttgttccaa tgtcaatgtg aacgtccaca 5340
tgaaacctac aactgtcat gcttcatcat tccctctcat ctcaggtaga aggttgacac 5400
agttgtaggg ttacagagac ctatgtaaga attcagaaga cccctgactc atcatttgtg 5460
gcagtccctt ataattggtg catagcagat ggtttccaca tttagatcct ggtttcataa 5520
cttcctgtac ttgaagtcta aaagcagaaa ataaaggaag caagttttct tccatgattt 5580
taaattgtga tcgagtttta aattgatagg agggaacatg tcctaattct tctgtcctga 5640
gaagcatgta atgttaatgt tatatcatat gtatatatat atatgcacta tgtatataca 5700
tatatatata tactgggtatt ttacttaaat ctataaaatg tcgggttaaaa agttgtttgt 5760
ttttttcttt ttttataaat aaactgttgc tcgttaaaaa aaaaa 5805

```

<210> 6255

<211> 1962

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (16)...(1188)

<223> similar to gi6015189 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 6255

```

tttcgtggcc gcgagatggg gaagatggca gcggccgtgg gctctgtggc gactctggcg 60
actgagcccg gggaggacgc ctttcggaaa cttttccgct tctaccgtca gagccggccc 120
gggaccgcag acctggaagg ggtcatcgac ttctcggcgg cccacgcagc ccgtggcaag 180
ggctcctgggt cccaaaagggt gatcaaatct cagctaaatg tgtcttctgt cagtgcagcag 240
aatgcatata gagcagggtct tcagcccgtc agcaagtggc aagcctatgg actcaaaaggc 300
tatcctgggt ttattttttat cccaaacccc ttctcccag gttaccagtg gcactgggtg 360
aaacagtgcc ttaagttata ttcccagaaa cctaattgat gtaacctgga caaacacatg 420
tctaaagaag agacccaaga tctgtgggaa cagagcaaag agttcctgag gtataaagaa 480
gcgactaaac ggagaccccg aagtttactg gagaaactgc gttgggtgac cgtaggctac 540
cattataact gggacagtaa gaaatactca gcagatcatt acacaccttt cccttctgac 600
ctgggtttcc tctcagagca agtagccgct gcctgtggat ttgaggattt ccgagctgaa 660
gcaggggatcc tgaattacta ccgcctggac tccacactgg gaatccacgt agacagatct 720
gagctagatc actcccaaac ccctggctgt cattcagctt tggacagtc gccatctttc 780

```

tcttgggtgg	tcttcaaagg	gatgaggccc	ccacggccat	gtttatgcac	agtggtgaca	840
tcatgataat	gtcgggtttc	agccgcctct	tgaaccacgc	agtcctctgt	gtccttccaa	900
atccagaagg	ggaaggcctg	cctcactgcc	tagaggcacc	tctccctgct	gtcctcccga	960
gagattcaat	ggtagagcct	tgttctatgg	aggactggca	ggtgtgtgcc	agctacttga	1020
agaccgctcg	tgtaacatg	actgtccgac	aggtcctggc	cacagaccag	aatttccctc	1080
tagaaccat	cgaggatgaa	aaaagagaca	tcagtacaga	aggtttctgc	catctggatg	1140
accagaatag	cgaagtaaaa	cgggccagga	taaaccctga	cagctgagac	ttggagatcc	1200
catccttttt	actcaggcac	ctgcttaccg	taaatgatca	tgttattgtg	tattgccgtg	1260
gacttcagca	cccagacaag	ccaaaaacag	agacagggaa	gaactcattg	ttgatcacac	1320
tgttgccttg	gaaccacgc	agaagtaaac	tcagccactt	tgctcagaga	agtgtttgac	1380
atggtctggt	cctagttaca	tgttggctgt	aatgtatggt	gagaagtcag	tccaaggagg	1440
tatgttcttc	cacaacagcc	ttctcagcct	ctgctatttc	ctttgaggaa	ggtagaagtg	1500
agtttccatg	tttgacaggt	atttaaatac	ctcagatttt	attaatgaga	aatacagtac	1560
ccctccctcc	actccatctg	gtaatttatg	gtaaaattgt	ggttctgtga	accagctatt	1620
agtctcatct	tcttaactcc	ctcaggcatc	atcaaatctt	ttgatcttct	cttcacctc	1680
tctggctctc	atggaagaat	cctttacaca	tgaaaacaat	ggaactggaa	aatcttgtct	1740
tttagaaaag	aaattaatca	caactatctc	tcttgccata	aagataaata	taggtaaacc	1800
caaggaaagg	ggaatttagt	ttctctacat	gtcatttcgg	tctccaaact	ccctgttggc	1860
tttttaatgc	aattttaatt	gttgaataaa	aaaagtccca	agggtgtttt	gttactgttt	1920
tctccatgaa	taaactcact	tgattttaaa	ttaaaaaaa	aa		1962

<210> 6256  
 <211> 6553  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <221> misc\_feature  
 <222> (193)...(5956)  
 <223> similar to gill107696 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 6256						
gaatctctca	cgagctggag	ccggagccat	tttccccct	tcggccgcgg	cgaggaggag	60
ccggagcggg	agtacaccg	agccggaccc	agcgcgacct	gcggcggctc	cggttgactc	120
gggccagtgt	agaggtcctc	aggccgcggg	caggagcagc	tgggccaatt	ccctggccgg	180
gagcggaaag	ggatggcgtc	gggcctgggc	tccccgtccc	cctgctcggc	gggcagttag	240
gaggaggata	tggatgcact	tttgaacaac	agcctgcccc	cacccacccc	agaaaatgaa	300
gaggaccag	aagaggattt	gtcagaaaac	gagactcaa	agctcaagaa	gaagaaaaag	360
cctaagaaac	ctcgggaccc	taaaatccct	aagagcaagc	gccaaaaaaa	ggagcgtatg	420
ctcttatgcc	ggcagctggg	ggacagctct	ggggaggggc	cagagtgtgt	ggaggaggag	480
gaagaggtgg	ctctgcgctc	agacagttag	ggcagcgact	atactcctgg	caagaagaag	540
aagaagaagc	ttggaccta	gaaagagaag	aagagcaaat	ccaagcggaa	ggaggaggag	600
gaggaggatg	atgatgatga	tgatgattca	aaggagccta	aatcatctgc	tcagctcctg	660
gaagactggg	gcatggaaga	cattgaccac	gtgttctcag	aggaggatta	tcgaaccctc	720
accaactaca	aggccttcag	ccagtttgct	agaccctca	ttgctgcaa	aaatcccaag	780
attgctgtct	ccaagatgat	gatggttttg	ggtgcaaaat	ggcgggagtt	cagtaccaat	840
aacccttca	aaggcagttc	tggggcatca	gtggcagctg	cggcagcagc	agcggtagct	900
gtggtggaga	gcatggtgac	agccactgag	gttgaccac	cacctcccc	tgtggagggtg	960
cctatccgca	aggccaagac	caaggagggc	aaaggtccca	atgctcggag	gaagcccaag	1020

ggcagccctc	gtgtacctga	tgccaagaag	cctaaaccca	agaaagtagc	tccccgaaa	1080
atcaagctgg	gaggtttttg	ttccaagcgt	aagagatcct	cgagttagga	tgatgactta	1140
gatgtggaat	ctgacttcga	tgatgccagt	atcaatagct	attctgtttc	tgatggttcc	1200
accagccgta	gtagccgcag	ccgcaagaaa	ctccgaacca	ctaaaaagaa	aaagaaaggc	1260
gaggaggagg	tgactgctgt	ggatggttat	gagacagacc	accaggacta	ttgcgagggtg	1320
tgccagcaag	gcggtgagat	catcctgtgt	gatacctgtc	cccgtgctta	ccacatggtc	1380
tgccctggatc	ccgacatgga	gaaggctccc	gagggcaagt	ggagctgccc	acactgcgag	1440
aaggaaaggca	tccagtggga	agctaaagag	gacaattcgg	aggggtgagga	gatcctggaa	1500
gaggttgggg	gagacctcga	agaggaggat	gaccaccata	tggaaattctg	tcgggtctgc	1560
aaggatggtg	gggaactgct	ctgctgtgat	acctgtcctt	cttcctacca	catccactgc	1620
ctgaatcccc	cacttccaga	gatccccaac	ggtgaatggc	tctgtccccg	ttgtacgtgt	1680
ccagctctga	agggcaaagt	gcagaagatc	ctaactctgga	agtggggtca	gccaccatct	1740
cccacaccag	tgccctcgcc	tccagatgct	gatcccaaca	cgccctcccc	aaagcccttg	1800
gaggggcgcg	cagagcgcca	gttctttgtg	aaatggcaag	gcatgtctta	ctggcactgc	1860
tcctgggttt	ctgaactgca	gctggagctg	cactgctcag	gtgatgttcc	gaaactatca	1920
gcggaagaat	gatatggatg	agccaccttc	tggggacttt	ggtggtgatg	aagagaaaag	1980
cccgaagcg	aaagaacaag	gaccctaaat	ttgcagagat	ggaggaacgc	ttctatcgct	2040
atgggataaa	acccgagtgg	gatgatgatc	caccgaatcc	tcaaccacag	tgtggacaag	2100
aaggggccacg	tccactactt	gatcaagtgg	cgggacttac	cttacgatca	ggcttcttgg	2160
gagagttagg	atgtggagat	ccaggattac	gacctgttca	agcagagcta	ttggaatcac	2220
agggagttaa	tgaggggtga	ggaaggccga	ccaggcaaga	agctcaagaa	ggtgaagctt	2280
cggaagttag	agaggcctcc	agaaacgcca	acagttgatc	caacagtga	gtatgagcga	2340
cagccagagt	acctggatgc	tacaggtgga	accctgcacc	cctatcaaat	ggagggcctg	2400
aatttggttg	gcttctcctg	ggctcagggc	actgacacca	tcttggtgga	tgagatgggc	2460
cttgggaaaa	ctgtacagac	agcagtcctt	ctgtattccc	tttacaagga	gggtcattcc	2520
aaaggccctt	tcctagttag	cgccccctct	tctaccatca	tcaacttggg	agcgggagtt	2580
tgaaatgtgg	gctccagaca	tgtatgtccg	taacctatgt	gggtgacaag	gacagccgtg	2640
ccatcatccg	agagaatgag	ttctcccttt	gaagacaatg	ccattcgtgg	tggcaagaag	2700
gcctcccgcg	tgaagaaaga	ggcatctgtg	aaattccatg	tgctgctgac	atcctatgaa	2760
ttgatcacca	ttgacatggc	tattttgggc	tctattgatt	gggcctgcct	catcgtggat	2820
gaagcccatc	ggctgaagaa	caatcagctc	aagttcttcc	gggtattgaa	tggttactca	2880
ctccagcaca	agctgttgct	gactgggaca	ccattaca	acaatctgga	agagttggtt	2940
catctgctca	actttctcac	ccccgagagg	ttccacaatt	tgggaagggtt	tttggaggag	3000
tttctgaca	ttgccaagga	ggaccagata	aaaaaactgc	atgacatgct	gggggcccga	3060
catgttgccg	cggctcaaag	ccgatgtgtt	caagaacatg	ccctccaaga	cagaactaat	3120
tgtgtcgtgt	ggagctgagc	cctatgacag	aagaaatact	acaagttaca	tcctccactc	3180
gaaatttttg	aaggcactca	atggcccagag	gtggtggcaa	ccaggtgtct	ctgctgaatg	3240
tggtgatgga	tcttaagaag	tgtgcaacc	atccatacct	cttcctgtg	gctgcaatgg	3300
aagctcctaa	gatgccta	ggcatgtatg	atggcagtg	cctaatacaga	gcatctggga	3360
aattattgct	gctgcagaaa	atgctcaaga	accttaagga	gggtgggcat	cgtgtactca	3420
tcttttccca	gatgaccaag	atgctagacc	tgctagagga	tttcttgga	catgaagggt	3480
ataaatacga	acgcatcgat	ggtggaatca	ctgggaacat	gcggcaagag	gccattgacc	3540
gcttcaatgc	accgggtgct	cagcagttct	gcttcttgct	ttccactcga	gctggggggc	3600
ttggaatcaa	tctggccact	gctgacacag	ttattatcta	tgactctgac	tggaaacccc	3660
ataatgacat	tcaggccctt	agcagagctc	accggattgg	gcaaaataaa	aaggtaatga	3720
tctaccgggt	tgtgaccctg	gcgtcagtg	aggagcgc	cacgcagggtg	gcaaagaaga	3780
aatgatgct	gacgcactca	gtggtgcggc	ctgggctggg	ctccaagact	ggatctatgt	3840
ccaaacagga	gcttgatgat	atcctcaaat	tggcactga	ggaactattc	aaggatgaag	3900
ccactgatgg	aggaggagac	aacaaagagg	gagaagatag	cagtgttatc	cactacgatg	3960
ataaggccat	tgaacggctg	ctagaccgta	accaggatga	gactgaagac	acagaattgc	4020
agggcataga	tgaatatattg	agctcattca	aagtggccca	gtatgtggta	cggaagaag	4080
aatggggga	ggaagaggag	gtagaacggg	aatcattaa	acaggaagaa	agtgtggatc	4140
ctgactactg	ggagaaattg	ctgcggcacc	attatgagca	gcagcaagaa	gatctagccc	4200
gaaatctggg	caaaggaaaa	agaatccgta	aacagggtcaa	ctacaatgat	ggctcccagg	4260
aggaccgaga	ttggcaggac	gaccagtc	acaaccagtc	cgattactca	gtggcttcag	4320
aggaaggtga	tgaagacttt	gatgaacggt	cagaagctcc	ccgtaggccc	agtcgtaagg	4380
gcctgcggaa	tgataaagat	aagccattgc	ctcctctggt	ggcccgtggt	ggtgggaata	4440

```

ttgaagtact tggttttaat gctcgtcagc gaaaagcctt tcttaatgca attatgcat 4500
atggtatgcc acctcaggat gcttttacta cccagtggct tgtaagagac ctgagaggca 4560
aatcagagaa agagttcaag gcatatgtct ctcttttcat gcggcattta tgtgagccgg 4620
gggcagatgg ggctgagacc tttgctgatg gtgtcccccg agaaggcctg tctcgccagc 4680
atgtccttac tagaattggt gttatgtctt tgattcgcaa gaagggttcag gagtttgaac 4740
atgttaaatgg gcgctggagc atgcctgaac tggctgaggt ggaggaaaac aagaagatgt 4800
cccagccagg gtcaccctcc ccaaaaaactc ctacaccctc cactccaggg gacacgcagc 4860
ccaacactcc tgcacctgtc ccacctgctg aagatgggat aaaaatagag gaaaatagcc 4920
tcaaagaaga agagagcata gaaggagaaa aggaggttaa atctacagcc cctgagactg 4980
ccattgagtg tacacaggcc cctgcccctg cctcagagga tgaaaagggtc gttgttgaac 5040
cccctgaggg agaggagaaa gtggaaaaagg cagaggtgaa ggagagaaca gaggaacctt 5100
tgagagacaga gcccaaagggt aaagggtgctg ctgatgtaga gaagggtggag gaaaagtcag 5160
caatagatct gacccttatt gtggtagaag acaaagaaga gaagaaagaa gaagaagaga 5220
aaaaagaggt gatgcttcag aatggagaga ccccaagga cctgaatgat gagaaacaga 5280
agaaaaatat taaacaacgt ttcattgtta acattgcaga tgggtggtttt actgagttgc 5340
actccctttg gcagaatgaa gagcgggagc ccacagttac caagaagact tatgagatct 5400
ggcatcgacg gcatgactac tggctgctag ccggcattat aaaccatggc tatgcccggg 5460
ggcaagacat ccagaatgac ccacgctatg ccatcctcaa tgagcctttc aagggtgaaa 5520
tgaaccgtgg caatttctta gagatcaaga ataaatttct agctcgaagg tttaagctct 5580
tagaacaagc tctggtgatt gaggaacagc tgcgcccggc tgcttacttg aacatgtcag 5640
aagacccttc tcacccttcc atggccctca acaccgctt tgctgaggtg gagtgtttgg 5700
cggaaagtca tcagcacctg tccaaggagt caatggcagg aaacaagcca gccaatgcag 5760
tcctgcacaa agttctgaaa cagctggaag aactgctgag tgacatgaaa gctgatgtga 5820
ctcgactccc agctaccatt gcccgaaatt cccagttgc tgtgaggtta cagatgtcag 5880
agcgtaacat tctcagccgc ctggcaaaacc gggcaccgca acctaccca cagcaggtag 5940
cccagcagca gtgaagatgc agactgatac cacctccacc gctgagcagt gaccttctc 6000
actttctctt gtcccagctt ctcccctggg ggctgagag accctcacct tccttctgcc 6060
catcttccat gttgtaaagg aacagcccca gtgactggg ggagggggagg gaggtagggg 6120
cagtgggtgcc cttcctgcag aagagacatg cagcagtagc gctggcgcca tctgcaggag 6180
ctggcgggct ggcttctgag accctggctt ctcccactg taacgcctgt tacacacaaa 6240
ctgttgtggg ttcttgccag gcttgaagaa aatgatctga attttttctt ccttttgggt 6300
ttattttggt ggtttttttt gtgttttctt ttctcctttt tgggggggtat tcagagtggg 6360
ctggggccct gggcgagaca gagctacctc tgttggcatc tttttaatac caggaaacca 6420
gcggctctag ccactgagcg gctaaatgaa ataaagtggg aaaaaaaaaa aagggaaaaa 6480
cccaaagcct taaaaacccc cagcaaattt tttgatgaaa attgaaaaaa aaagtttcct 6540
tgtaaaaaaa aaa 6553

```

```

<210> 6257
<211> 3349
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (3090)...(1212)
<223> similar to gi6014493 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 6257
tttttttttt ttcatttttt aattttttat tttttttagt catttttaat gcatttttct 60

```



ctgtgcacaa	gagaaataac	tgatgaagtc	aaaagacaca	ctttccttta	tacatagcag	120
ttaaaagtaa	tgcaaacatc	acatgacact	ttcagtgaaa	gttacatttc	caattacaaa	180
tcaaaatgca	tattagggtc	tctttatggg	agaagctgag	aaggaagtct	taggtaaaaa	240
gcactttcct	ggcattacta	cactgatcct	tcaggctgca	caaagattaa	ggcatataac	300
agtcaatctg	caaatgttga	cacaatgtta	cactgtaa	tttctgtaca	attaaatgta	360
tacttagaga	taccaggata	aacatttcta	ctatatttta	actgaacttg	cctagccaac	420
attttctactg	agaagtattt	caaagatgct	gtaagattct	acaaaattgt	gagacataac	480
tagctccaga	aacatttctt	gtatttcttc	tcatttttgt	tacacatatt	acactcagat	540
tctactgtaa	tattttttaga	tgtacagtgc	caattgtgct	tactgtactg	tatacaaaata	600
tagcaaaaaa	gatcaatggg	ataaatctta	cagcattttg	ctagcaaaaa	tacatgccaa	660
agtcacaata	agcaatatcg	taccacaaa	tagagagctt	caaataattt	gcttctgttt	720
ttaatatctt	cattctacat	taaattacta	tcataggcta	atgtttaaaa	atgcaaaata	780
attggacatc	tgtaggacaa	cacttgttca	cccaactgtg	aaggttgata	cctgtttcca	840
aaaatcacaa	taaatgcaga	ataaaagaaa	gtgtttgcat	gcaacacttt	tgagtgaac	900
agcattgatt	cccaccactc	aaaacggcta	aggaaggaaa	ctaaaggaaa	taagggaagg	960
aggaaacaaa	gagggaggga	gtggggagac	aagagggaag	gaaggtagga	aaaataagca	1020
aaggagaaa	ggagtggagg	aagtaggagg	gagggaactc	atcttaaaat	gcatcataatt	1080
agacttacaa	ctagacagat	ttaaaagaat	caaaatgaaa	gtaaagaacg	attttgtgtg	1140
tgtgtttaaa	gatttaagag	ccattatcaa	aaataagata	catttttttt	ccagggtacag	1200
aaatgtgatt	acgatggctg	ggagcccagc	agcctttcaa	tggctgcatt	gatgtcgcct	1260
cctgttgcta	ttagggcctg	caagtttgct	tcacggttta	agaaccccat	tgcgttgagc	1320
tgttccagtt	gttgctgaaa	tctgacttct	ggattcggca	gctgtggagc	atttgtctca	1380
gccagggcct	gcaccatttg	ctgaatgaac	tgctggttgg	gtccagattc	tgatgtagga	1440
ctcgtggttt	cactaggtgc	agcgtgggac	acagtaggcc	ccgtggggcc	accagagccg	1500
gtggagccag	ggggggctgc	agggccagtg	ggctctatgg	gccaatggg	gcctatgggg	1560
gtaaaaggga	ctatagggcc	tatggggcct	atgggggtga	ctggggcctac	agggcctata	1620
gcggttccca	gcacccccac	ccccacacct	ggagtgaagc	tcggaatcag	gccagggtgct	1680
tcagtggcta	atgtctgtag	cccctgctgg	atctgcatta	aagcctgcat	tgctcttggg	1740
tttgacatgg	ctgatatgtg	gtctggattc	tgcatctgct	gcaggaaggc	tgggagctgt	1800
ggccgcatct	gctcctgcag	ctgaggattt	gcagtaaaca	gcgggctatt	cagcatcatc	1860
tgtgcagcca	aatctggatt	ctggctcagc	gactgcatca	tgcttctcat	gtagggcgcc	1920
gacagcatat	tctgaatcag	ctgggggttt	tcagttatct	gttgacagcag	gctctgcatg	1980
cctggggtag	ttaaagatgct	ggcgacataa	ttagcggcag	caacggtggt	cccagtagca	2040
ttgctggaac	tattgccaga	cccactacca	gtgcttggtg	tcgtgctggt	agttgcagaa	2100
ctctgggtag	ctggcggtgg	tggccatgga	ttgggtagtg	gatcgcaatt	ttctgtgcgg	2160
gaaggctgcg	taccttcccc	agaggaggaa	ctactcccca	cggaggcaaa	tggattaccc	2220
ccaaactgct	cttgctgcgc	attcagcatc	ggctcttgaa	tgtcagtgtg	catgcgccgt	2280
aaagcattat	agccacctgg	gatgctttct	agattgctaa	gagccaggtc	ttgatttctc	2340
atcatctctt	gcatcatggc	tggattcctg	gcaatttcga	gtgtctgcct	cattatgtct	2400
gggttggtga	gcaggtgact	gatttctggg	tttctctgaa	tcaattgctg	catctgtgga	2460
ttagccataa	tgagctgcct	catcagatcg	ggattcgaaa	gcatgctctg	aacaaaggga	2520
ttttccatta	tttgatcat	catctcaggg	ctggccataa	gctgctgctg	catctggctc	2580
tggagctcag	agaagtgggt	cgagctcaag	ctcaggctgc	taaggcctgc	aagtcctccc	2640
aggctcccca	acccaaacgg	gttgctatatt	gtggaaatag	gtgtggagtt	actcctggga	2700
gtcgacgccg	aggtagtgtt	aagtccccgc	ggcattgcta	ggctgcgtgg	actggccctg	2760
aggtcggttc	tggcttttga	tgacaagggtg	aacagtcagc	ccatcatgga	tgccatgctg	2820
gatcaaggta	tcctgatctt	ttaagaattt	ttccggcaaa	aatcagcact	agctgatcgg	2880
tttgggattt	gaagcgtttc	gaaatcgctt	gacttaaact	gctgaaccga	gactgttctc	2940
gggcaccgcg	aactcctctt	tctctttggg	agtcttcacc	gtgactttga	tgatttttagg	3000
ctcagccggg	gcagcagccg	agccttgggc	cgacagcagg	ccgcggggag	ggcgcggggg	3060
gccgctgata	tcgccattct	cagccatggc	ggccgcggtg	acgcagggcg	gcaggggaag	3120
cgcggggcgg	cgaagagag	agcgcgagg	aaggagggaag	gaaggaggca	ccgccgcagc	3180
gggctgggcc	gggtcaggcg	gggagcgcg	agcacgggtac	ctctgtgatg	aagactgcgg	3240
ttccctgggtc	ctccggtgga	gaaaggcctg	ggcgtaggcc	gctggctgag	gtctccgcgc	3300
tccggtctct	gggcctcctc	cgccgcgcgc	ttgtgatccg	accgcgcgc		3349

<210> 6258  
 <211> 1535  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <221> misc\_feature  
 <222> (1397)...(592)  
 <223> similar to gi3925830 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 6258  
 tttttttttt ttgatattaa atgttaaatt ttatittcaaa aaactatcac agcctaaagg 60  
 gaaatataat ttaagcatta agatagtaca tttcagaaaa taagctagta ttttcatggt 120  
 acatttttagg tacctatcat ttgtcattcc aagagatcct tgcgttctag actctagaat 180  
 taaatggggg aaaggggttat gcttttaaga actataagct gaaatgattt acttcagttc 240  
 aatatagaat atttgtcagt caagataaca atcaatgtgt acaaaaattt acataacaag 300  
 aggaaaaata ggcaagtgcag cacttttaga aaaataatta aaagtttcat tgcatttaca 360  
 ggtaagtgcc aactgagaa tttacaatac agtaatttac tgcaatcaca ggggagttcc 420  
 ataaagaaac aaagctctta cactccaggt ttttggaggg tggtattgga atgcttaact 480  
 gaaacccac agaacttgta tatcccttag gattgagttg atggaagggtc ataaaagggtt 540  
 ttcatagcat ctattatata aaaggagttc actgcatitg gatagctggt ttagtggtctc 600  
 tgacaagtgt gaagcctaga agaattactg gcttgatggt gatctttctg tatccggcaa 660  
 gacagacctt ctccacagta acaacgctgg aatatttcta gtccatgaga gccttttctc 720  
 ctatgcttgg tacacacttg accttctttc aggacaggtt tacagatctt ggaccagaag 780  
 tgtctagcac aacacaatcc tgaggcacag tctgatgacc ggagacaaac agaaccttct 840  
 tgtcctttgg tgtgatacat ttttgaagac aaggtgggtt tcttgggaata cccatccaag 900  
 gtgctatgat cattacaaa gctttcagtg atggtttctt caatttctcc tcggaaatga 960  
 ttttgatcag aagacacaca tattccattt ttgcagtaat tcccggggca gcacatagcg 1020  
 tgacgcatgc agcgttttcg gcgcttctg caggcgagac agattttgcac gcccgcggtc 1080  
 cctccgcggtg tgggactagc gcagtactca tcagtgcgcg actcctcgtc ctctgcgcac 1140  
 gggtagcggt ggtagtgtgc aatgggtctg tacttattcc cgcccggtgta caggattccc 1200  
 ggcgcggcgc tgactgcaga gccttgggtg ccccgagcgc ccgcccagcg gtgggggagc 1260  
 gttcttgata gcgttggaat tgagaaccga gttcaagggt gcgctcactc ccagcagagg 1320  
 gtggccgccc agagccgccc ctaccatcgc gacaaagacc cgggtagctc ccgctgcgcc 1380  
 cagagccatc atctcagaag gactcaagag ggagaaagaa agagaaaatg accgtcactt 1440  
 tgcaagcctg ggtccccacg aaaccgtgcc ggttcgggtg cagagtcagg gtccgggagc 1500  
 cccctgcggt cccagagtcc tgactgcagg gagca 1535

<210> 6259  
 <211> 2619  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <221> misc\_feature  
 <222> (132)...(2237)

<223> similar to gi3002963 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 6259

tggaggtgcc	cggatgaaca	tacatcacaa	tgtgaacagt	ggatcatctcc	agatagtaga	60
atctcagata	tgtttctttc	cattttttctg	acagtttgaa	ttttctgtaa	taattaattg	120
actttttatac	aatggaaaca	actttttttgt	tttggaaaaa	agaaagatgc	tgccgctaata	180
cagtggatga	aagatgataa	tatggataca	aaatctattc	tagaagaact	tcttctcaaaa	240
agatcacagc	aaaagaagaa	aatgtcacca	aataattaca	aggaacgggc	tttttgtttt	300
gacccaaaaca	aacctttcct	actatgaata	tgacaaaatg	aaaaggggca	gcagaaaagg	360
atccattgaa	attaagaaaa	tcagatgtgt	ggagaaagta	aatctcgagg	agcagacgcc	420
tgtagagaga	cagtacccat	ttcagattgt	ctataaagat	gggcttctct	atgtctatgc	480
atcaaatgaa	gagagccgaa	gtcagtggtt	gaaagcatta	caaaaagaga	taaggggtaa	540
ccccacctg	ctggtcaagt	accatagtgg	gttcttcgtg	gacgggaagt	tcctgtgttg	600
ccagcagagc	tgtaaagcag	ccccaggatg	taccctctgg	gaagcatatg	ctaactctgca	660
tactgcagtc	aatgaagaga	aacacagagt	tcccaccttc	ccagacagag	tgctgaagat	720
acctcgggca	gttcctgttc	tcaaaatgga	tgcaccatct	tcaagtacca	ctctagccca	780
atatgacaac	gaatcaaaga	aaaactatgg	ctcccagcca	ccatcttcaa	gtaccagtct	840
agcgcaatat	gacagcaact	caaagaaaat	ctatggctcc	cagccaaact	tcaacatgca	900
gtatatcca	aggggaagact	tccctgactg	gtggcaagta	agaaaactga	aaagtagcag	960
cagcagtga	gatgttgcaa	gcagtaacca	aaaagaaaga	aatgtgaatc	acaccacctc	1020
aaagatttca	tgggaattcc	ctgagtcaag	ttcatctgaa	gaagaggaaa	acctggatga	1080
ttatgactgg	tttgtctggt	acatctccag	atcacaatct	gaacagttac	tcagacaaaa	1140
gggaaaagaa	ggagcattta	tggtagaaa	ttcgagccaa	gtgggaatgt	acacagtgtc	1200
cttatttagt	aaggctgtga	atgataaaaa	aggaactgtc	aaacattacc	acgtgcatac	1260
aaatgctgag	aacaaattat	acctggcaga	aaactactgt	tttgattcca	ttccaaagct	1320
tattcattat	catcaacaca	attcagcagg	catgatcaca	cggctccgcc	acctgtgtc	1380
aacaaaggcc	aacaagggtcc	ccgactctgt	gtccctggga	aatggaatct	gggaactgaa	1440
aagagaagag	attaccttgt	tgaaggagct	gggaagtggc	cagtttggag	tgggtccagct	1500
gggcaagtgg	aaggggcagt	atgatgttgc	tgttaagatg	atcaaggagg	gctccatgtc	1560
agaagatgaa	ttctttcagg	aggcccagac	tatgatgaaa	ctcatccatc	ccaagctggt	1620
taaattctat	ggagtgtgtt	caaaggaata	ccccatatac	atagtgactg	aatatataag	1680
caatggctgc	ttgctgaatt	acctgaggag	tcacggaaaa	ggacttgaac	cttcccagct	1740
cttagaaatg	tgctacgatg	tctgtgaagg	catggccttc	ttggagagtc	accaattcat	1800
acaccgggac	ttggctgctc	gtaactgctt	ggtggacaga	gatctctgtg	tgaaagtatc	1860
tgactttgga	atgacaaggt	atgttcttga	tgaccagtat	gtcagttcag	tcggaacaaa	1920
gtttccagtc	aagtggtcag	ctccagaggt	gtttcattac	ttcaaataca	gcagcaagtc	1980
agacgtatgg	gcatttgagg	tcctgatgtg	gaaggtgttc	agcctgggga	agcagcccta	2040
tgacttgtat	gacaactccc	aggtggttct	gaaggtctcc	caggtccaca	ggctttaccg	2100
gccccacctg	gcacgcggaa	ccatctacca	gatcatgtac	agctgctggc	acgagcttcc	2160
agaaaagcgt	cccgcatttc	agcaactccc	ggtcttccca	ttggaaccca	cttcgggggaa	2220
aaaggccaag	cattgaagaa	gaaattagga	gtgctgataa	gaatgaatat	agatgctggc	2280
ccagcatttt	cattcatttt	aaggaaagta	gcaaggcata	atgtaattta	gctagttttt	2340
aatagtgttc	tctgtattgt	ctattattta	gaaatgaaca	aggcaggaaa	caaaagattc	2400
ccttgaaatt	tagatcaaat	tagtaatttt	gttttatgct	gctcctgata	taacactttc	2460
cagcctatag	cagaagcaca	ttttcagact	gcaatataga	gactgtgttc	atgtgtaaag	2520
actgagcaga	actgaaaaat	tacttattgg	atattcattc	ttttctttat	attgtcattg	2580
tcacaacaat	taaatatact	accaagtaca	gaaatgtgg			2619

<210> 6260

<211> 1244  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <221> misc\_feature  
 <222> (394)...(966)  
 <223> similar to gil531665 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 6260

gacaatgatt	tcttgccgaa	cacagtgcac	aggcatgagc	caccagtcac	agcagagccc	60
attcgccctg	tagctgagaa	cgaagatgtg	gtgggtgtag	acaagccttc	ctccattccc	120
gttcacccct	gtggccgctt	ccgacacaac	acagttatct	tcatcctagg	caaggagcac	180
caactcaagg	agctacaccc	cttgcacg	cttgaccgcc	ttacctcagg	ggtgcttatg	240
tttgccaaga	cagctgcagt	ctctgagaga	attcacgagc	aggttcggga	ccggcagctg	300
gagaaggagt	acgtgtgccg	ggtggaaggg	gagttcccca	ctgaggaagt	gacctgtaaa	360
gaacccatct	tagtggtgtc	ttacaaagta	ggggtgtgcc	gtgtagatcc	ccggggcaag	420
ccctgtgaga	cagtgttcca	gaggctaagc	tacaatggcc	agtccagtgt	ggtacggtgc	480
cggccactca	caggccgcac	acaccagatt	cgagtccacc	ttcagttctt	gggccatccc	540
attctcaacg	accccatcta	caactcagtt	gcctgggggc	cttctcgagg	ccggggcggc	600
tacattccca	agacaaacga	ggagttgcta	cgggacctgg	tagcagagca	ccaggccaaa	660
cagagcctgg	atgtgctaga	tctctgtgag	ggtgacctgt	ccccaggact	cacagactct	720
acggcccccct	cctcagagtt	gggcaaggac	gacctggaag	agttggctgc	agctgccccca	780
gaagatggag	gaagtagctg	aggcagcccc	tcaggagttg	gacacaatag	ccttggcatc	840
agagaaggca	gttgaaacag	atgtcatgaa	tcaagagaca	gacccactct	gtgcagagtg	900
ccggctgggtg	cgacaggatc	ccttgcccca	agacctgtgt	atgttcctac	atgccctacg	960
ctataaaggg	ccaggccttg	agtacttttc	accaatgcct	gcctgggcac	aggatgactg	1020
gcaaaaggac	tgagggtgtg	gccaatggag	ggattgcttc	ttgggttgtg	acaaggatgg	1080
gctatagggc	aagggtgac	cccatgggct	agtacttggg	gtttctatag	gaatgaggac	1140
gggcttctaa	agagacctgc	tcatacttgc	tacctccttc	cagtgggaat	ttggagactt	1200
tttggtttgt	aaatatatcc	ctttttctaa	catcaaaaaa	aaaa		1244

<210> 6261  
 <211> 5890  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <221> misc\_feature  
 <222> (333)...(2352)  
 <223> similar to gi4589556 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 6261

ggcagcagct	tggacaggta	gagtacgtgt	ttacagataa	aactgggtaca	ctgacagaaa	60
atgagatgca	gtttcgggaa	tgttcaatta	atggcatgaa	ataccaagaa	attaatggta	120

gacttgtacc	cgaaggacca	acaccagact	cttcagaagg	aaacttatct	tatcttagta	180
gtttatccca	tcttaacaac	ttatcccac	ttacaaccag	ttcctctttc	agaaccagtc	240
ctgaaaatga	aactgaacta	attaaagaac	atgatctctt	ctttaaagca	gtcagtctct	300
gtcacactgt	acagattaac	aatgttcaaa	ctgactgcac	tggtgatggt	ccctggcaat	360
ccaacctggc	accatcgag	ttggagtact	atgcatcttc	accagatgaa	aaggctctag	420
tagaagctgc	tgcaaggatt	ggtattgtgt	ttattggcaa	ttctgaagaa	actatggagg	480
ttaaaactct	tggaaaactg	gaacgggtaca	aactgcttca	tattctggaa	tttgattcag	540
atcgtaggag	aatgagtgtg	attgttcagg	caccttcagg	tgagaagtta	ttatttgcta	600
aaggagctga	gtcatcaatt	ctccctaaat	gtataggttg	agaaatagaa	aaaaccagaa	660
ttcatgtaga	tgaatttgct	ttgaaagggc	taagaactct	gtgtatagca	tatagaaaat	720
ttacatcaaa	agagtatgag	gaaatagata	aacgcatatt	tgaagccagg	actgccttgc	780
agcagcggag	aagagaaatt	ggcagctggt	ttccagttca	tagagaaaga	cctgatatta	840
cttggaagcca	cagcagtaga	agacagacta	caagataaag	ttcgagaaac	tattgaagca	900
ttgagaatgg	ctggtatcaa	agtatgggta	cttactgggg	ataaacatga	aacagctggt	960
agtgtgagtt	tatcatgttg	ccattttcat	agaacctga	acatccttga	acttataaac	1020
cagaaatcag	acagcgagtg	tgctgaacaa	ttgaggcagc	ttgccagaag	aattacagag	1080
gatcatgtga	ttcagcatgg	gctggtagtg	gatgggacca	gcctatctct	tgcaactcag	1140
gagcatgaaa	aactattttat	ggaagtttgc	agaaattggt	cagctgtatt	atgctgtcgt	1200
atggctccac	tgcaaaaagc	aaaagtaata	agactaataa	aaatatcacc	tgagaaacct	1260
ataacattgg	ctggttggtga	tggtgctaata	gacgtaagca	tgatacaaga	agcccatggt	1320
ggcataggaa	tcatgggtaa	agaagggaaga	caggctgcaa	gaaacagtga	ctatgcaata	1380
gccagattta	agttcctctc	caaattgctt	tttgttcatg	gtcattttta	ttatattaga	1440
atagctaccc	ttgtacagta	ttttttttat	aagaatgtgt	gctttatcac	accccggttt	1500
ttatatcagt	tctactgttt	gttttctcag	caaacattgt	atgacagcgt	gtacctgact	1560
ttatacaaat	atttggtttta	cttccctacc	tattctgata	tatagtcttt	tggaacagca	1620
tgtagaccct	catgtgttac	aaaataagcc	caccctttat	cgagacatta	gtaaaaaccg	1680
cctcttaagt	attaaaacat	ttctttattg	gaccatcctg	ggcttcagtc	atgcctttat	1740
tttctttttt	ggatcctatt	tactaatagg	gaaagataca	tctctgcttg	gaaatggcca	1800
gatgttcgga	aactggacat	ttggcacttt	ggtcttcaca	gtcatggtta	ttacagtcac	1860
agtaaagatg	gctctggaaa	ctcatttttg	gacttggatc	aaccatctcg	ttacctgggg	1920
atctattata	ttttattttg	tatttttcctt	gttttatgga	gggattctct	ggccattttt	1980
gggctcccag	aatatgtatt	ttgtgtttat	tcagctcctg	tcaagtgggt	ctgcttggtt	2040
tgccataatc	ctcatgggtg	ttacatgtct	atttcttgat	atcataaaga	aggtctttga	2100
ccgacacctc	caccctacaa	gtactgaaaa	ggcacagctt	actgaaacaa	atgcaggtat	2160
caagtgcctg	gactccatgt	gctgtttccc	ggaaggagaa	gcagcgtgtg	catctgttgg	2220
aagaatgctg	gaacgagtta	taggaagatg	tagtccaacc	cacatcagca	gatcatggag	2280
tgcatcggat	cctttctata	ccaacgacag	gagcatcttg	actctctcca	caatggactc	2340
atctacttgt	taaaggggca	gtagtacttt	gtgggagcca	gttcacctcc	tttcctaaaa	2400
ttcagtgtga	tcacctgttt	aatggccaca	ctagctctga	aattaatttc	caaaatcttt	2460
gtagtagttc	ataccctctc	agagttataa	tggcaaacaa	acagaaagca	ttagtacaag	2520
cccctcccaa	cacccttaat	ttgaatctga	acatgttaaa	atttgagaat	aaagagacat	2580
ttttcatctc	tttgtctggt	ttgtcccttg	tgcttatggg	actcctaata	gcatttcagt	2640
ctgttgctga	ggccattata	ttttaatata	aatgtagaaa	aaagagagaa	atcttagtaa	2700
agagtatttt	ttagtattag	cttgattatt	gactcttcta	tttaaactct	cttctgtaaa	2760
ttatgctgaa	agtttgcttt	gagaactcta	tttttttatt	agagttatat	ttaaagcttt	2820
tcatgggaaa	agttaatgtg	aatactgagg	aatttttggtc	cctcagtgac	ctgtgttggt	2880
aattcattaa	tgcatctctga	gttcacagag	caaattagga	gaatcatttc	caaccattat	2940
ttactgcagt	atggggagta	aattttatacc	aattcctcta	actgtactgt	aacacagcct	3000
gtaaagttag	ccatataaat	gcaaggggat	atcatatata	caaatacagga	atcaggtccg	3060
ttcaccgaac	ttcaaattga	tgtttactaa	tatttttggtg	acagagtata	aagaccctat	3120
agtgggtaaa	ttagatacta	ttagcatatt	attaatttaa	tgtctttatc	attggactct	3180
ttgcatgctt	taatctggtt	aacatattta	aatttgcttt	ttttctcttt	acctgaaggc	3240
tctgtgtata	gtattttcatg	acatcggttg	acagtttaac	tatatcaata	aaaagtttgg	3300
acagtattta	aataattgcaa	atatgtttta	ttatacaaat	cagaatagta	tgggtaatta	3360
aatgaataca	aaaagaagag	cctctttctg	cagccgactt	agacatgctc	ttccctttct	3420
ataagctaga	ttttagaata	aagggtttca	gttaataatc	ttatttttcag	gttatgtcat	3480
ctaacttata	gcaaactacc	acaatacagt	gagttctgcc	agtgtcccag	tacaaggcat	3540

atttcagggtg	tggctgtgga	atgtaaaaat	gctcaacttg	tatcaggtaa	tgttagcaat	3600
aaattaaatg	ctaagaatga	ttaatcgggt	acatgttact	gtaattaaact	cattgcactt	3660
caaaacctaa	cttccatcct	gaatttatca	agtagttcag	tattgtcatt	tgtttttgtt	3720
ttattgaaaa	gtaatgttgt	cttaagattt	agaagtgatt	attagcttga	gaactattac	3780
ccagctctaa	gcaaataatg	attgtataca	tattaagata	atggttaaat	gcggttttac	3840
caagttttcc	cttgaaaatg	taattccttt	atggagattt	attgtgcagc	cctaagcttc	3900
cttcccattt	catgaatata	aggcttctag	aattggactg	gcaggggaaa	gaatggtaga	3960
gacagaaatt	aagactttat	ccttgtttgc	ttgtaaacta	ttattttctt	gctaattgtaa	4020
catttgtctg	ttccagtgat	gtaaggatat	taagttatta	agctaaatat	taattttcaa	4080
aaatagtcct	tctttaactt	agatatttca	tagctggatt	taggaagatc	tgttattctg	4140
gaagtactaa	aaagaataat	acaacgtaca	atgtctgcat	tcactaattc	atgttccaga	4200
agaggaaata	atgaagatat	actcagtaga	gtactagggtg	ggaggatatg	gaaatttgct	4260
cataaaatct	cttataaaaac	gtgcatataa	caaaatgaca	cccagtaggc	ctgcattaca	4320
ttacatgac	cgtgtttatt	tgccatcaaa	taaactgagt	actgacacca	gacaaagact	4380
ccaaagtcac	aaaatagcct	atgaccaact	gcagcaagac	aggaggtcag	ctcgccctata	4440
atggtgctta	aagtgtgatt	gatgtaattt	tctgtactca	ccatttgaag	ttagttaagg	4500
agaactttat	ttttttaaaa	aaagtaaatg	gcaaccacta	gtgtgctcat	cctgaactgt	4560
tactccaaat	ccactccggt	tttaaagcaa	aattatcttg	tgattttaag	aaaagagttt	4620
tctattttatt	taagaaaagta	acaatgcagt	ctgcaagctt	tcagtagttt	tctagtgtcta	4680
tattcatcct	gtaaaactct	tactacgtaa	ccagtaataca	caaggaaaagt	gtcccccttg	4740
catattttctt	taaaattctt	tcttttgaaa	gtatgatgtt	gataaataac	ttacccttat	4800
ctgccaaaac	cagagcaaaa	tgctaaatac	gttattgtcta	atcagtggtc	tcaaatcgat	4860
ttgctccct	ttgctctgtc	tgagggtgtg	aagcctgaag	atagtggcaa	gcaccaagtc	4920
agtttccaaa	attgcccttc	agctgcttta	agtgactcag	cacctgcct	cagcttcagc	4980
aggcgtaggc	tcacctggg	cggagcaaag	tatgggccag	ggagaactac	agctacgaag	5040
acctgctgtc	gagttgagaa	aaggggagaa	tttatggtct	gaattttcta	actgtcctct	5100
ttcttgggtc	taaagctcat	aatacacaaa	ggcttccaga	cctgagccac	accaggccc	5160
tatcctgaac	aggagactaa	acagaggcaa	atcaacccta	ggaaatactt	gcattctgcc	5220
ctacggttag	taccaggact	gaggtcattt	ctactggaaa	agattgtgag	attgaactta	5280
tctgatcgct	tgagactcct	aataggcagg	agtcaaggcc	actagaaaat	tgacagttaa	5340
gagccaaaag	tttttaaaat	atgctactct	gaaaaatctc	gtgaaggctg	taggaaaagg	5400
gagaatcttc	catgttggtg	tttttcctgt	aaagatcagt	ttggggtatg	atataagcag	5460
gtattaataa	aaataacaca	ccaaagagtt	acgtaaaaca	tgttttatta	attttggtcc	5520
ccacgtacag	acatttttatt	tctatttttga	aatgagttat	ctatttttcat	aaaagtaaaa	5580
cactatttaa	gtgctgtttt	atgtgaaata	acttgaatgt	tgttccctata	aaaaatagat	5640
cataactcat	gatatgtttg	taatcatggt	aatttagatt	tttatgagga	atgagtatct	5700
ggaaatatgt	tagcaatact	tggtttaaaa	ttttggacct	gagacactgt	ggctgtctaa	5760
tgtaatcctt	taaaaattct	ctgcattgtc	agtaaattgta	gtatattatt	gtacagctac	5820
tcataatttt	ttaaagttta	tgaagttata	tttatcaaat	aaaaactttc	ctatttttatt	5880
aaaaaaaaaa						5890

<210> 6262

<211> 2317

<212> DNA

<213> Homo sapiens

 $\langle 220 \rangle$ 

<221> misc feature

 $\langle 222 \rangle \quad (248)^{-} \dots (1660)$ 

```
<223> similar to gi2739460 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters
```

```

<400> 6262
cccgggtcga cgatttctgt aggcgagggg ggctgccgcc tgaacttttt agatctgggg 60
cggcgcgga tccgcatccg ccgggagtg gatgaagcta ccctgcctcg ctgctccgct 120
tgccgccagc tgacaccgcc tgcacccagc ccgcccggga ggggagacgc cgcggggccg 180
tgaccttggc ggaggagggc acactgataa ttcttgatc ttgagtgtgg accaagtttt 240
gggtgacatg gccagggga ataattatgg gcagaccagc aacgggggtg ccgatgaatc 300
acccaacatg ctggtgtaca gaaagatgga agacgtcata gcacggatgc aagatgaaaa 360
aaatggaatt cctattcgtc cgtcaaaaag ctttctttcc aagataccta gcgtcttctc 420
tggttcagac attgttcaat ggttgataaa gaacttaact atagaagatc cagtggaggc 480
gctccatttg ggaacattaa tggctgccca cggctacttc tttccaatct cagatcatgt 540
cctcacactc aaggatgatg gcacctttta ccggtttcaa acccctatt tttggccatc 600
aaattgttgg gagccggaaa acacagatta tgccgtttac ctctgcaaga gaacaatgca 660
aaacaaggca cgactggagc tcgcagacta tgaggctgag agcctggcca ggctgcagag 720
agcatttgcc cggaagtggg agttcatttt catgcaagca gaagcacaag caaaagtggg 780
caagaagaga gacaagattg aaaggaagat ccttgacagc caagagagag cgttctggga 840
cgtgcacagg ccctgcctg gatgtgtaaa tacaactgaa gtggacatta agaagtcac 900
cagaatgaga aacccccaca aaacacggaa gtctgtctat ggtttacaaa atgatattag 960
aagtcacagt cctaccaca caccacacc agaaactaaa cctccaacag aagatgagtt 1020
acaacaacag ataaaatatt ggcaaataca gttagataga catcggttaa aaatgtcaaa 1080
agtcgctgac agtctactaa gttacacgga acagtattta gaatacgacc cgtttctttt 1140
gccacctgac ctttctaacc catggctgtc cgatgacacc actttctggg aacttgaggc 1200
aagcaaagaa ccgagccagc agagggtaaa acgatggggg tttggcatgg acgaggcatt 1260
gaaagaccca gttgggagag aacagttcct taaatttcta gagtcagaat tcagctcgga 1320
aaatttaaga ttctggctgg cagtggagga cctgaaaaag aggcctatta aagaagtacc 1380
ctcaagagtt caggaaatat ggcaagagtt tctggctccc ggagcccca gtgctattaa 1440
cttggaattc aagagttatg acaaaaccac acagaacgtg aaggaacctg gacgatacac 1500
atgtgaagat gctcaggagc acatttaca actgatgaa agtgattcat acccacgttt 1560
tataagatcc agtgcctatc aggagcttct acaggcaaag aaaagagggg aaatctctca 1620
cgtccaagag gttaacaagc cttgctcagt cttactaaac ggatcatctt gtagcatgaa 1680
tgcagactgg agtcactgca cacactttgt agctcaatgt tgtgacctgg agcagaggac 1740
attagaacaa gatgttgcat gagcaaagga cctaaattgt tatttttggt tgtacattcc 1800
atctccaatg gactcttccg tctcaatgcc tccattccaa actggtgtct gctttctttc 1860
tcttctact atgctggatc tgtgtctct cttttttaac aagttcaagt gaagtaaaac 1920
cttttctttt tttccttct tctctctctc tctctctcaa agcttcagtt agacacacag 1980
ttactgaaa attcagtcag tcaaaaactg gaagaactgt aaaagaaaaa agtatatatc 2040
aataagtata catgtggctt cacatttatt aaacaataaa ttccgcacag aaagtttcat 2100
ttaccaatg tgtcacagtc agaaacaaac tcatgtcttc ggtctgttgt ctgtacattc 2160
tccgttaatg tttctcgcat ttatttttat accatattta aagaagaaac accttttact 2220
ccaatgtat taaagttgat cccttctctg taaatttggt tatgtttata ttgttgtttt 2280
atctttcatt aaaagatgtc agaattctcaa aaaaaaaa 2317

```

<210> 6263

<211> 6941

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (85)...(4217)

<223> similar to gi3043680 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters





accactctgc	aatgaccctg	ggacgacata	tatcttttagc	aaaggtggtg	gacaaatcac	3180
gtataagtgg	cctcctaata	accgacccag	tacgcgagca	gacagactgg	ccataggttt	3240
tagcactggt	cagaaagaag	ccgtattggt	gcgagtggac	agttcttcag	gcttgggtga	3300
ctacctagaa	ctgcatatac	accagggaaa	aattggagtt	aagtttaatg	ttgggacaga	3360
tgacatcgcc	attgaagaat	ccaatgcaat	cattaatgat	gggaaatacc	atgtagttcg	3420
tttcacgagg	agtgggtggc	atgccacggt	gcaggtggac	agctggccag	tgatcgagcg	3480
ctaccctgca	gggcgtcagc	tcacaatctt	caatagccaa	gcaaccataa	taattggcgg	3540
gaaagagcag	ggccagccct	tccagggcca	gctctctggg	ctgtactaca	atggccttgaa	3600
agttctgaat	atggcagccg	aaaacgatgc	caacatcgcc	atagtgggaa	atgtgagact	3660
ggttggtgaa	gtgccttcct	ctatgacaac	ttgagtcaac	agcccctgcc	atgcaatcag	3720
agatgtccac	atcaattatg	gagactacca	cgaccctggc	tactagcaca	gccagaagag	3780
gaaagccccc	gacaaaagaa	cccattagcc	agaccacaga	tgacatcctt	gtggcctcag	3840
cagagtgtcc	cagcgatgat	gaggacattg	acccctgtga	gccgagctca	ggtgggttag	3900
ccaacccaac	ccgagccagg	cggcagagag	ccgtatccag	gctcagcaga	agtgtaccgg	3960
gagtccagca	gcaccacggg	tatgggtcgt	gggtagtag	ccgctgccgc	cctgtgcatc	4020
cttatcctcc	tctatgccat	gtacaagtac	agaaaccggg	atgaaggctc	atacccatgt	4080
ggacgagagt	ccgaaactac	catccagtaa	ccccagccac	agtcccaatg	gggctgttgt	4140
aaaggagaaa	caaccccgag	agtgcgaaaa	gccccaaaca	aaataagaaa	aacaaggata	4200
aagagtatta	tgtctgatcc	caagatctta	aatggacact	tgtatagaaa	tagtcttcat	4260
tttatctgag	acataatata	aacttattta	ctttcctttt	tatgaagcac	atacaaaaga	4320
agacagggaa	tgcaatcagg	aaggaaagac	tttttaaaaa	ataaaaacaa	gtatctcatg	4380
ctccttggtt	ctcaaaaaag	aaaaacaaaa	aacaaaaaac	agggggccaa	taaattccct	4440
aacatccaca	gtgttttcat	ttactctgct	tgtctttatg	ttgctgggac	atttctaaaa	4500
gacagtgatg	accgcacgca	ttcataaagc	aaaggagtag	tacagcatca	aggcacgaca	4560
caaaaaccaa	cacaaaacat	aacacaaaaa	agaagctacc	tatgatcctg	gatttagcca	4620
aaagtgctag	cgctttcctg	agaagtcagt	tcaatttgca	gagaaagact	gtccttttga	4680
agtgactcaa	cctgcaaacc	ctttaaaagt	ttgccgcctg	gtgcaactgg	agcagtgggt	4740
ggaacttgca	tttgaaacaa	agtgcctggc	tttttgaaga	cttgtgtagg	aacacattca	4800
aaaagcccct	ttctggttgt	gagagaggaa	aaaaaagtat	ggaggcctta	ttttcaaaaa	4860
tgtgaaatat	aaggcacggt	ttcacacaaa	atttcaaaac	aaaaacaaga	gggcatagat	4920
gcaatcattg	ggaaattttc	atgcacgctt	attatgttat	tacatatgtt	tataaaaaat	4980
ccatctctgt	gggctttctg	gactgtgata	agtgacgttt	tatagcctgt	tgtatagaaa	5040
atgcaaaata	tatctctgct	cttcagccat	ttttggtaaa	ttcaatgtta	taagtgttgc	5100
taagtatagg	gagttttatg	acatcagagc	aacaattatt	tcagttgggt	ttttcttttt	5160
ttttgccacc	attataaatt	gccacaatta	cttactttta	ttttttaaag	aaattacagt	5220
gtagtgttta	ttctaaggaa	gatatgtatg	aatgtatata	caaagactca	gctacttctt	5280
ttcttatatg	tacagccttc	attctgttgc	aattaagtgt	tagtacttgt	atgaaagggt	5340
tgaattagaa	agtcacatat	atacatatgt	atcttataat	cttttctccc	tgaataactc	5400
acattcccac	atacattcac	tattttcaca	cacacacaca	cacacacaca	cacacacaca	5460
cacgaatcca	cagcaatcca	tcagatatgc	tggaaagatcc	aaacgtgcat	acagtagcaa	5520
atattttattg	acaaattgaa	aagcaggaag	gaagaggggt	gtgcccgaag	tattgatgac	5580
aaatgggggtg	atttgcttca	ttgagatctt	gctcccaggt	aaccttaaga	agatttttagt	5640
ccctaaagaa	atgaaccttt	ccttatcaaa	tagaatatca	ctgatatact	gctgcatgaa	5700
taagaaccat	tatgtgggca	ggttatggaa	gcaaaattgg	ttaatctaca	ccttaactct	5760
ggctgctgca	attgaaaact	ttctttctaa	taaaataata	tatatatctc	tgaatctgat	5820
gtgcatgatg	aacatttctg	gaaagtaaac	actttctctc	gactaagaaa	gtatttttca	5880
gtaatttttg	attctgtatt	actaccact	taaaaaatca	ttctctgtta	attattgact	5940
atgttttaac	ttttctggtt	ttacatatat	atcataaat	atagttttag	tttaacacat	6000
taagttagtg	aaaagtatat	attatacact	tgttttgcat	attattcaat	gatgttcaca	6060
gcaataaatt	actaatatga	gaaggtagtg	caaaaaatgc	attattacat	tgcaagttga	6120
tgtttcagga	aaaattgggt	gcattacttg	aataccttct	aaaagaacga	taaaaaattt	6180
tgtagaagag	aagaatatct	ttccaattag	ctttaatcag	caaaggcaaa	aatgcaaaa	6240
catcttttgt	gatacttttag	ttgatgaaaa	aaaagccaag	aagtggcctg	gatttcagac	6300
atacagcacc	ttagaaatat	gtataattca	tagcaaatca	ccactatcta	tggttgcca	6360
gtaattgttg	tgtacaaaga	aatttagtg	ctttttatga	cccagaaagt	agaagggtata	6420
aaatgaaaat	ttaatatcca	ttgcttcttt	tctagatttt	catttttttt	aatttgccac	6480
attaaataat	tcacgagtct	tttctttttc	cccgtctcat	tcagtcttac	tcagggaag	6540



ttttgtcagc	agtcttacta	gcattgactc	tggaatcctt	ctcatcatga	ttttcaaata	1860
gcccctcagc	atcaaaatcc	atctcatgct	tgacttttatt	taattctttc	atgttaaacc	1920
ccagcaacac	gccaggcttg	tactttttcac	aatcacggac	acacttcttc	cttttgttac	1980
taaaatggga	agcgatgtca	ctctttccaa	taccataaa	ctggctgcta	gcttctcaat	2040
ttctctcctg	gtgggatagg	gctgtttggg	tgaaatactt	tgtagaaag	cttttctctg	2100
cttcatagga	atcatcttca	gtgacccttg	gggtctaaag	ctaaaacaac	aggctcttca	2160
ggcttctctt	caaagaagct	gggtgaatca	ctatcatcat	ctaactttcg	ttttttcagt	2220
aagggaaatt	ccatttgctc	gtaagtgcgc	ttcacagggtg	ccagacttgg	agactgatta	2280
agccgagagg	gtgcatttgt	cttatcctgg	ccatttttggg	tctttccaac	gcccctgcag	2340
tgaactagat	gcagagtgat	agttgaggcg	gtcatgttgc	tggtatacac	accaaggcaa	2400
tggtatacatt	tgtagggtgag	ctttttctca	actggatgaa	ccgtctgaat	aacttgggtgc	2460
ctctctcgta	agtgatgtgc	aagtgcacat	gatatgggtc	cttttaggat	tgaaaagcaa	2520
agaggacaaa	gggttttccc	aacatctttt	ttatagggca	ctgcagcttg	agggtgaactt	2580
tttacaggga	tatctgcctt	ttcctgaacc	tttggctgtg	gctttggagg	aactggagga	2640
ttattttggg	catggtaagc	aacagattca	gctggggcat	ccctcagatt	gtatgtagtt	2700
accaggagat	ggatgttagt	gtgactaccc	tgctgcaatg	tcaaatcaaa	actcaaagta	2760
gaatctgttt	taggtcccat	ctcttcatca	atgtgaacca	tccgcatgtg	tgcgcccatc	2820
ttttccacat	cattgaaagt	tgaacggcaa	tatggacaag	acagaccatg	aattaacata	2880
tggttgagca	gagtatctgt	gggtaaatag	cgattacagt	agaggcattt	gctagtaaaa	2940
ttgtgtattt	tcataatgta	gttggctact	gctgggactt	tctcagcttt	atgttctttt	3000
tcgaagtgca	cactatagac	attttcagga	aaaagctcat	tacagattgt	acataattttc	3060
cacttttgag	ttgaggaagt	gttacctggg	ggagggcctg	tggcagctgc	agcagggtttg	3120
gaactggact	gacctaacac	tctggatgcc	tgtgactgag	agagggaagg	agactttaac	3180
tggtccgatg	agagagaaga	ggcattagca	gactgcaggg	agtatcttgc	tggtgcctgg	3240
gacctctgct	ctgacccaag	cccataagac	cttccgtttc	cacttgggaag	taactgcttt	3300
acagactgag	attgttgagg	aatggaaact	ggtgcgttgc	cacctagacc	cagtctcatt	3360
gactgaccaa	cactgtaacc	ctggcctaca	gatttgactc	catagttgtt	ctgctgcaga	3420
tgaacactgg	acatcatgtt	gactcctgta	gaatttaagt	taggcttttg	tattgagagt	3480
cgattcacca	tctgctgtga	tggtaaagac	cgggacattt	ccagaagcaa	gggaaccgat	3540
ccttggtggg	agtcccatgc	tcttcttgtc	ttgaggtttg	ggagcaatta	gcatcaaggg	3600
tttgatcgg	ggaaccacta	catttgtgtg	ccaatcatg	gcagtgacct	gatagcctat	3660
acgttcatgg	tcttcgatga	catgctgtac	caaagcttca	taggactttg	gcatgaaaag	3720
gcatcgcttg	cagtgaatac	tactctcttc	tcgggcattc	gagcctaagg	ggactgcccc	3780
attgagtgat	ttttctcctg	cctttgctat	gtaagggtgct	gccacatgct	gaaaatgttc	3840
cctgtaaattg	tgtttcctaa	ctatttcata	aagaggatct	cggttaagtgc	acttcttaca	3900
gtaataaaca	gcttgcctca	cactgtcagc	ctgcttaggt	ttaaggccat	catttttgtt	3960
tttatctttg	aaagtgtctga	ggctgctact	tggtgcgctg	gcgttcggag	catgaaatat	4020
tttaattgtgt	gtttccaaag	tctttttgtc	tgcatggaag	gtacagtagg	ggcaattaag	4080
gagaatccta	ttttcaaagt	cttcactatg	gacattgcgg	aaatgacttt	tgtaggcaga	4140
gaagaatttt	gaggaaaatg	gacaagcgct	gcagcagaaa	ggttttgtcc	gatagtcctg	4200
gtttttcgtg	agtgatgggt	cccacagtcc	tacatcctcc	catgtagtgt	ttttcaaata	4260
aaagtcatta	ggttcaaatt	gtttaaaatc	ttctatatgt	tctttacagt	attccaaccc	4320
aatgtcacta	agtatttttt	tcacagtttt	ccgggctttt	cttaaactgc	caagattgtt	4380
gacaggaagt	tggaaacatag	tttcttgact	cggcctcgag	gcgcgcgcgg	ggccggcggtg	4440
ctcggggggc	ggacagcggc	ggcggcggcg	ggcggtggc	ggcggcacgg	cggtggcgcc	4500
agcggggagg	gcgcgcccgg	ggcctcgctg	cgctccggct	cggcggaactc	cggc	4554

<210> 6265

<211> 4879

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature  
 <222> (610)...(4879)  
 <223> similar to gi3882263 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 6265

agcggccgcg	acagggccag	cgagagcccc	gcagctctgc	cgcagctgcc	gcctcgccgc	60
ggccgggccc	gagtagcact	gttgccggag	cgcggcctta	cgaggcggcc	ggagcgggtg	120
gcacagctcg	gcgcggagcg	tcctgtcagg	cggcggccga	ggcgctcgcg	gactctcccc	180
gcgatgatgc	cgatgatatt	aactgttttc	ttgagcaaca	atgaacagat	tttaacagaa	240
gttcctataa	caccggaaac	aacctgtcga	gatgttgtag	aattttgcat	ggaacctgga	300
gaaggcagct	gccattttaac	tgaagtgtgg	aggggaaatg	aacgtcccat	accctttgat	360
catatgatgt	acgaacatct	tcagaaatgg	gggccacgga	gggaagaagt	gaaatttttt	420
cttcgacacg	aggactcccc	aactgagaac	agtgaacaag	gtggccgtca	gacccaagag	480
caacgaactc	agagaaatgt	aataaatgta	cctggagaaa	aacgtactga	aaatgggggt	540
gggaatccac	gtgttgaact	taccctctca	gagctccaag	atatggcagc	taggcaacag	600
cagcagattg	aaaatcagca	gcagatgttg	gttgccaagg	aacagcgttt	acattttcta	660
aagcaacagg	agcgcgctca	gcagcagctc	atttctgaaa	atgaaaagct	tcagaaattg	720
aaagaacgag	ttgaagccca	ggagaacaag	ctgaagaaaa	ttcgtgcaat	gagaggacaa	780
gtcgactaca	gcaaaatcat	gaacggcaat	ctgtctgctg	aaatagaaag	gttcagtgcc	840
atgttccagg	aaaagaagca	ggaagtacag	actgcaatth	taagggttga	tcagcttagt	900
cagcaatttg	aagattttaa	gaaaggaaaa	ctgaatgggt	tccagtctta	caatggcaaa	960
ttgacgggac	cagcggcggt	ggagttaaaa	agactgtacc	agaactaca	gattcgtaac	1020
caacttaacc	aggaacaaaa	ttcaaaactt	cagcagcaga	aggaactctt	aaataagcgc	1080
aacatggagg	tggccatgat	ggacaagcga	atcagtgaac	tgcgtgaacg	tctctatggg	1140
aaaaaaattc	agctgaaccg	tgtgaatggc	acgtcatcac	cacagtcccc	tctgagcaca	1200
tcgggcatgg	tcgctgctgt	ggggccttat	atccagggtc	ccagtgccgg	aagctttcct	1260
gtgctggggg	accctataaa	gccccagctc	ctcagtattg	cctcaaattg	tgctcatgga	1320
agatccaaat	ccgctaata	tggaaactgg	ccaacataa	aacagaattc	tagctcttcc	1380
gtgaaaccag	tgcaggtggc	cgggtgcagc	tgggaaggatc	cgagcgtgga	ggggtctgtc	1440
aagcagggca	ctgtctccag	ccagcctgtg	cccttctcag	cactgggacc	cacggagaag	1500
ccgggcatcg	agatttggt	agtgccacct	cccatcccg	gtgtaggcaa	gcagctgcct	1560
ccaagctatg	ggacataccc	aagtccctaca	cctctgggtc	ctgggtcgac	aagctccctg	1620
gaaaggagga	aggaaggcag	cttgcccagg	cccagtgcag	gcctgccaa	tcgacagagg	1680
cccaccctgc	tgcccgccac	aggcagcacc	ccccagccag	gtcctcaca	acagattcag	1740
cagaggattt	ccgtaccgcc	aagtccctac	taccgcgccc	cgggaccacc	tgcatttcca	1800
gctggggaca	gcaagcctga	actcccactg	acagtggcca	ttaggccttt	cctggctgat	1860
aaagggtcaa	ggccacagtc	tcccaggaaa	ggaccccaga	cagtgaattc	aagttccata	1920
tactccatgt	acctccagca	agccacacca	cctaagaatt	accagccggc	agcacacagc	1980
gccttaaata	agtcagttaa	agcagtgtat	ggtaagcccg	ttttaccttc	gggttcaacc	2040
tctccatcgc	cgctgccgtt	tcttcacggg	tcactgtcca	cgggcacacc	acagccttca	2100
gccacctttc	agaaagtact	gagaaagagc	ctttagcagg	atggccccgc	cgacccccga	2160
gatggcagca	ccgtggagag	cctgccacgg	ccactcagcc	ccaaccaagt	cacgcccata	2220
gtgcattcgc	cactgcgcta	ccagagtgat	gcagacctgg	aggccctccg	caggaagctg	2280
gccaacgcgc	cccgccctct	gaaaaagcgc	agctccatca	cagagcccga	gggccccggc	2340
gggcccacaa	tccagaagct	gctgtaccag	cgcttcaaca	ccctggccgg	tggcatggag	2400
ggcacccttt	tctaccagcc	cagcccctcc	caggacttca	tgggtcacct	ggccgatgtg	2460
gacaatggaa	acaccaatgc	caatggaaac	ctggaagagc	tccccctgc	ccagcccaca	2520
gccccactcc	ccgtgagcc	tgccccgtca	tcagatgcca	atgataatga	gttaccttcc	2580
cccgaaccag	aggagctcat	ctgtccccaa	accacccacc	aaactgccga	gccggcagag	2640
gacaataaca	acaacgtggc	cacggtcccc	accacggagc	agatcccag	tcctgtggct	2700
gaggccccat	ctccagggga	agagcaggtc	cctccagcac	ctcttcccc	tgccagccac	2760
cctcctgcca	cctccacgaa	caagcggacc	aacttgaaga	agcccaactc	ggagcggacg	2820
gggcacgggc	tgagagtccg	gtttaacccc	ctggcactgc	tcctagacgc	gtctctggaa	2880

ggagagttcg	atctggtgca	gaggatcatc	tatgaggtgg	aagatcccag	caagcccaac	2940
gacgaaggga	tcaccccact	gcacaacgcc	gtctgcgccg	gccaccatca	catcgtgaag	3000
ttcctgctgg	atcttggtgt	caacgtgaat	gtctgctgata	gtgatggatg	gacgccgctg	3060
cactgcgctg	cctcttgtaa	cagcgttcac	ctctgcaaac	agctggtgga	gagtgggtgcc	3120
gccatttttg	cctcaaccat	aagcgacatt	gaaactgctg	cagacaagtg	tgaggagatg	3180
gaggaaggct	acatccagtg	ctcccagttt	ctatatgggg	tgcaggaaaa	gctgggtgtg	3240
atgaacaaaag	gtgtggcgta	tgtctgtgtg	gactacgagg	cccagaacag	tgacgagctg	3300
tccttccacg	aaggggacgc	cctcaccatc	ctgaggcgca	aggacgaaaa	gcgagactga	3360
ggtggtggtg	ggctcgccct	ggagaccggg	agggctatgt	gccccaaaaac	ctgctgggggc	3420
tgtatccacg	gattcaaac	cccgcacgcg	aacactcgcc	tgaacttcct	tttggagcac	3480
cgcattggtct	tgccagctac	caggagccac	ttaagagatt	attgtgctgt	tttccaggaa	3540
agctgcagct	agaaaatggt	cttaatggtg	ctcactttag	cagacagcgt	ccacaatgtg	3600
aatcctacag	tttcagggtg	aggccctttc	tccagtttgc	ccattaactg	ggagaggtac	3660
tttcgcctcc	aaggactgaa	ttttgccaat	tactataaat	ccaaataaat	accacttttc	3720
aaaacaccca	cccctcttgc	cattaagaag	tcccataaac	cccgttggtg	tgcagtgaa	3780
gacagaagct	cttactgact	tggccccgag	gcattcaccc	cctccagcag	tgaacactgt	3840
ccgccgctgt	gaggcctgct	cccctgcgac	cgctctgccc	cccgtcaccg	aatcggacac	3900
tcatcctttc	tcacacttcc	cacacatgat	ccttcttccc	ttcatcacca	aaggaggcct	3960
ctgtatggga	aacatgttcc	agtgttggtg	gcccagtggt	tatgcctccc	agtacccact	4020
ctgctcggcc	gccttggggg	ttccgcttcc	tgttccagtt	cacctaaagg	ctgattgtgc	4080
aggcccagca	ctgtggctgg	actgccgcgc	cacgggcacc	aggaccctta	agaccaagtg	4140
acaactggga	gagcctcagc	atataactct	ctcctccgat	ctcacagcct	gtcatgctgc	4200
tcagtgtggt	tctcacccct	gcaagctcaa	attcagttcc	ctgaatggag	tcagggtgctg	4260
gaggccgtgg	cagcggaggg	tggttggggg	tggggctggg	ggtggactgg	tgtgagggca	4320
gaccagggcc	aggtagacgg	ggctgtttgg	tgcctgaagg	atggcagacg	cctggtgtca	4380
ggagggggccg	ccaccaagga	gcagcagctg	gggcagagga	gctgggggtca	ggggccaccc	4440
ctctctgccg	atctccctgc	ctgggctggc	tgtgaggccc	acctttgtcc	caggcccagc	4500
ctcaaggcaa	ggagggcgct	tactgaggt	gtgaattgta	cgtacaggct	ttttatatac	4560
caaaagtatt	ttttgactag	accattcaaa	gctacccgaa	ctatgttgga	aatttttttt	4620
ttctcattaa	aatacaggcc	cttaggctct	atctttcatg	tatgagtcgt	gtgtaattta	4680
tgtaaaaatg	tgtgtacaga	ctcactgatg	cagcactgta	gcccataacc	ttggagcact	4740
gactgtacat	agtgtggtga	agaaaagtga	acgcccttgt	agagcagccc	gaccacagga	4800
gcatggccgc	tgccagccca	gacgctgctg	acgctgtgta	aatgtgcaca	ataaaccctg	4860
ctcaccccca	aaaaaaaaa					4879

<210> 6266  
 <211> 7564  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (685)...(3534)  
 <223> similar to gi2224581 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 6266	
ataatgccct	gcgggagctc gagactgtta aggggatggt ggacacatcc taatgaacct 60
gttagtgacc	tctcttactt tgactgcatt gagagtgtga tggaaaactc caaggttctg 120
ggtgaatcga	tggcagggat ttacagaat gccaagaccg gagacctccc tgcctttggg 180

gaatgtgtgg	ggattgcatc	caaggctctc	tgtgggctga	cagaggctgc	agcccaggct	240
gcatacttgg	ttggcatctt	tgatccaaac	agccaggcag	gccaccaggg	cctgggtggac	300
cccattccagt	ttgccagggc	taaccaggcc	atccagatgg	catgccagaa	cttgggtggac	360
cctggcagca	gcccatacaca	ggtcctgtca	gccgccacaa	ttgttgccaa	gcacacgtca	420
gccttgtgtta	atgcctgccg	catcgcctca	tccaagacgg	ccaaccctagt	agccaagagg	480
cacttcgtcc	agtcggccaa	ggaagtcgcc	aacagcactg	ccaacctggt	gaagaccatc	540
aaggccctgg	atggggattt	ctctgaagac	aaccgcaata	agtgtcgcct	cgccaccgca	600
cccttgattg	aagctgtgga	gaacctgaca	gcgttcgcct	caaaccctga	gtttgtcagc	660
attcctgccc	agatcagctc	cgagggttcc	caggcacagg	aaccaatcct	ggtctcagcc	720
aagcccatgc	tggagagttc	atcgtacctc	attcgcactg	cacgctctct	ggccatcaac	780
cccaaagacc	caccacactg	gtctgtactg	gctggacatt	cccatacagt	gtccgactcc	840
atcaagagtc	tcatcacttc	tatcagggac	aaggccctg	gacagaggga	gtgtgattac	900
tccatcgatg	gcatcaaccg	gtgcatccgg	gacatcgagc	aggcctcgct	ggccgcccgc	960
agccagagcc	tggccacgag	ggacgacatc	tctgtggagg	ccctgcagga	gcagctgact	1020
tcggtggtcc	aggaaaatcgg	acaccttatc	gatcccatcg	ccacagcggc	tcggggagaa	1080
gcagctcagc	tgggacataa	ggggacacaa	ctggcaagct	attttgagcc	cttgatctta	1140
gccgcagttg	gtgtggcctc	caagattctt	gatcatcagc	agcagatgac	ggtgctggac	1200
cagaccaaga	ctctcgcaga	gtctgccttg	cagatgttgt	atgcagccaa	agaaggtggc	1260
ggaaacccca	aggcacaaca	cacccatgac	gccatcacag	aggccgcca	gttgatgaag	1320
gaagccgtgg	atgacatcat	ggtgacgctg	aacgaagctg	ccagtgaagt	ggggctggtt	1380
gggggcatgg	tggacgccat	tgcagaagcc	atgagcaagc	tggatgaagg	cactcctcca	1440
gaaccaaagg	gaacatttgt	cgactatcag	acgactgtgg	ttaaatactc	caaagccatt	1500
gcggtgacag	ctcaggaaat	gatgactaag	tcggttacta	acccggagga	gttgggagga	1560
ctggcttcac	aaatgaccag	tgactatggg	cacctggctt	tccagggcca	gatggcagca	1620
gccacggcgg	aaccagagga	gatcggattc	cagattcgca	ctcgtgtgca	ggacctgggc	1680
cacggctgta	tcttcctggt	gcagaaggca	gggggccctc	caggtctgcc	ccacagacag	1740
ctacaccaag	agggagctga	tcgaatgctc	ccgtgccgtc	acggaaaagg	tctccttggt	1800
gctctcggct	ctccaggccg	ggaacaaagg	aacccaggca	tgcattacag	ccgccaccgc	1860
tgtgtctggg	atcattgccg	acctggacac	caccattatg	tttgcaacag	cggggacgct	1920
gaatgcagag	aacagtgaga	ccttcgcaga	ccacagggag	aacatttcta	agacggccaa	1980
ggccttggtg	gaagacacga	aactacttgt	gtcaggagct	gcgtccactc	ctgacaagct	2040
ggcccaggcg	gcccagtcct	cagcagccac	catcaccacg	ctcgcagaag	tggccaagct	2100
gggggacgcc	agcctgggct	ccgacgaccc	cgagacccag	gtggttttga	tcaatgccat	2160
caaagatgtg	gccaaggccc	tttctgatct	catcagtgct	accaaggggag	ctgccagcaa	2220
gccagtgga	gacccttcca	tgtaccagct	caagggggct	gccaagggtga	tggtgaccaa	2280
tgtcacctcg	ctcctcaaga	ctgtaaaggc	agtggaggat	gaggccaccc	ggggcaccag	2340
ggcgcttgag	gccacaattg	aatgcataaa	gcaggagctt	acggtgttcc	agtcaaaaga	2400
cgtacctgaa	aagacatcat	cacctgaaga	atccataagg	atgacgaaag	gcatcaccat	2460
ggcaacagcc	aaagccgtgg	cagctgggaa	ctcatgtaga	caggaggacg	tgattgctac	2520
tgccaacctg	agccggaaaag	ccgtgtcaga	tatgttgacg	gcttgcaagc	aagcatcctt	2580
ccaccccgat	gtcagtgacg	aggtgagaac	cagagccttg	cgtttcggga	cggagtgcac	2640
ccttggctac	ttggacctcc	tggagcacgt	cttgggtgatt	cttcagaaaac	caaccccaga	2700
actcaagcag	cagctggccg	ctttctccaa	gcgagtcgcc	ggcgctgtga	cagagctcat	2760
ccaggcgcg	gaagccatga	aaggaacaga	gtgggtggat	ccagaagacc	caactgtcat	2820
tgagaaaaca	gagttactgg	gggctgcagc	atccatcgaa	gctgctgcta	agaagttaga	2880
gcaactgaag	ccaagagcaa	aaccaaaca	agcggatgag	accctggact	ttgaggaaca	2940
gatcttggaa	gctgctaaat	ccattgctgc	tgccacaagc	gccctggtca	aatcggcctc	3000
agcagcccg	agggagctgg	tggcccaagg	aaaggtgggc	tccatccctg	ccaatgctgc	3060
agacgcgga	cagtggtcac	aggggctgat	ttctgctgcc	cggatgggtg	cggctgcgac	3120
cagcagcttc	tgtgaggcgg	ccaatgcctc	cgttcaggga	cacgccaagc	aggagaagct	3180
catctcatct	gccaagcagg	tcgccgcttc	cacggctcag	ctgctggtgg	cctgcaaggt	3240
gaaggccgac	caggattcag	aggccatgag	gcggctacag	gcggcaggaa	atgctgtgaa	3300
aagagcctca	gacaatcttg	tccgtgcagc	ccagaaggca	gcatttggca	aagctgatga	3360
cgacgatgtt	gtagtgaaaa	ccaagtttgt	ggggggcatt	gctcagatca	tcgccgccca	3420
ggaagaaatg	ctaaagaaaag	agcgagaact	ggaagaagca	aggaaaaaac	tggcccaaat	3480
ccgccagcag	cagtataagt	ttttaccac	cgagctgagg	gaagatgagg	gctaaaggtg	3540
cgagcccaga	tggcgagccc	caggggatgg	ccctggctga	actggacaga	cagtgttcct	3600

gagaggctgg	gcacttagct	ggaaaccgcc	cacctccctc	ccgggtgagc	ctggagccct	3660
gcgtgcttgt	tctcacatct	ctgtcccgtc	ggcactggct	gcatgatcgt	gatgtcacac	3720
ggtacaatgt	cctaccacac	actcctctgc	cgctcccctc	catgcctcac	cgtgtctcag	3780
gagagagggg	tgcacgtttc	atggactggt	accaacaaag	aaaagtcagt	attatgttgt	3840
tctcagacac	tttggttttt	gttggtcctt	ctcttaggcc	tgctcctgga	cctctttatg	3900
atattgtgat	aggggaaaaa	atcattgacg	tcatagaata	ttcttcttcc	tctcaggaga	3960
agacggaagc	tggagttgga	catggttcat	aaaagccaga	aacacaaaacc	cgtgtggact	4020
ccgggagggg	gactcaggtc	ctccttccat	gtcttgagca	ctggctcacc	caggggggtga	4080
aaaattcccc	cccctgtttg	cacgctttct	tgctccgtg	tgtaagctcc	ttgtacaacc	4140
cagacccatc	ttgtattttg	tggcccagaa	aactgaacga	ttattttgtt	cctccgtagt	4200
ccaaagggca	gagttgcgga	aggccgtcgg	ggcttggtga	gcaggggctg	taatacagtc	4260
tgtggggctc	cttaccctgc	agaggctggt	tcagctcaca	cagagtccat	ccacacaaac	4320
ccacggctcc	cagttgacag	tcagtggaa	gctcgtctcc	ttagcgtcca	gggtggggat	4380
tctgctggaa	taaagagctt	cctcagtgac	tcaccttta	gggtccacgc	tggtttctgt	4440
gccttcagaa	tggtcacaag	cccggattgg	aaaggatctg	cttacaacc	tggtccctgt	4500
cctccaaccc	aaaacgcctt	ttttttctgt	cttaatatcc	agaaaatcta	aatgcatcct	4560
aaaatcaatt	gtgaaccctt	taacaaggat	agtttttact	tattatcaca	taagacataa	4620
gatgttttca	ttttctggat	gtcacacttc	cagaatttca	tatttttccc	ctcttttctt	4680
tccccttttc	agagccctcc	cataggaagg	gaagggttg	aattttaccct	taatctgcac	4740
cttttagcaa	ggcagtgcat	ggaagatgaa	tggctcgtgg	ggccagaatc	taatgccagg	4800
gagcaggagt	gtttgaaaga	attcatagt	gggaaggtaa	aagttaatgg	aagtacatga	4860
ttttcaaaac	tggtaacagt	taaaggcact	caccctccgc	ctctctctct	ctctctctct	4920
ctggggggct	atcatgtctt	ggactccatc	cacactatag	tttcaaagtt	ccactgacgg	4980
gggaaagtgt	gtgcttttgt	cctccgaaga	tgacaccttt	cgaccttgcc	cgatcttggt	5040
tcaccagact	ctagcccatg	tcatggtttt	aaaatacata	aacttctgac	agcttcccat	5100
atttataagt	tacttataag	tgctgcacgt	attagaattt	ttttttttca	gaccagtaaa	5160
gttagaaaaa	agacgctgta	aaggaaaagc	aagtgaagat	atgtgtagga	cactgacagt	5220
gtgtgggcac	cagttctgaa	gaggagggga	gctgctggag	ccctagcctg	ttggggaaaa	5280
gctggcacac	tcttggtctg	ccctctttga	gtggagctga	tccaacacct	catgcctgcc	5340
ttggccggac	actgagagga	ggggcacacg	tgcttcagaa	gacactcagg	agtcagaccc	5400
caatgctcag	agtcacaatg	tgttcatggc	ctcctgtaac	aggactctgg	ggatccccct	5460
tgtggcccg	ccccccccac	cctctgctct	tctatgctgt	gcccagggca	gctgccccct	5520
tctgcctgtg	ccccatccca	tcctgaaaac	ccaggaccaa	ggcaggggca	ggcagccagt	5580
tcttccacct	tgctcagag	tcatttataa	cctttactgc	atttgatacc	agaaaagcct	5640
ccagagacaa	accaaatagc	aaggcctttc	ctttataact	ctaaagaaca	ggcatcgaaa	5700
gtttattttt	gtaggagcta	tataaatact	cacctttctg	gagtcgtcca	gtgctgggag	5760
ctttggggag	attggttctc	agttatcacc	tggatatggtc	ccagtttctc	atctgtccct	5820
tcctcatcca	ccctgcacat	gtgtatgtga	acggcttcgt	ggccggtgtg	gtggtttctc	5880
atttcataag	atagttgaag	ggccatgcct	tgctcggatg	ttatttaata	ggcactactg	5940
cggtgtcctc	agatggtact	gagggggcct	tctggtcctt	caaaggaaaa	taacacaggc	6000
atgagttcat	ttgggagtgt	gaactttcag	aacacctaat	aagagagtgg	tgtcagagta	6060
aaaacggccc	caggtctgga	gcatagaagt	gtatctctgt	gaagagagag	ccggtgtggt	6120
gacatgtggt	tcttctcaca	cccctctact	cctcgagggc	tttgaatcct	tgggctgatt	6180
tttgtgccag	aaattgctgt	tcccgatggc	caaaagggga	acctgaactg	gatttcagaa	6240
ctgcccagtg	atttgaaaa	ttagatttta	cttgggcctt	tcaggagtct	ttagataggg	6300
atgctgaggt	catatttagt	tcaatgaaca	gcccttggtt	aagttttgcc	agtgtccagc	6360
cagctgtggc	cctggccatc	tgtgcaggca	ggttccctca	ttcctggttg	gccctgcagt	6420
cggtcaacac	agtccctcca	ggtcggtctg	agagcgcagt	gcccagcctg	cagtctatgc	6480
acgggcctta	agaaatgagc	tgctgtagc	ctcagcgcat	atgcttttat	cagggaaaac	6540
ccttcgagct	tcttctgatt	ctcacctgct	tgctttctgg	ctgtcttagt	cagtgtgttt	6600
acaggcaact	aaagcctgtt	cctaatttat	caaaaaatta	taaccaaaat	tcaccatagc	6660
ctaagagagt	aaacccacc	tccaaagtga	tgccaaggcc	aaaacctcat	caaggaaacca	6720
gacacaggtc	aaaagtgggtg	agcaagccat	ggtctctgct	cctggggaac	tcacacgctg	6780
acccccgagg	agccttggtt	tcctccctgg	cagatagtcc	ccagaatctt	ctctcccagc	6840
tttgagggttc	tgggctctgg	aaaggcctct	gggatgctgg	ccttaagatc	tcagcacaga	6900
ctatcagcat	gttccattct	cagattcctg	gaggaaaggt	accctctggt	gaccaagggg	6960
ctggctgctt	ctgagactta	ccaacccaag	aaatttgagg	acattcccct	caggctaata	7020

```

ggcagcggtc cccagagttc agaaagcaaa agatcttgac aactgtgcc a tagtggtc 7080
tggtcctatc tctccacagt gctggcctct gctggggaag gcacctttcc caaaggatc 7140
cccaagtacc atgttgaaaa tgcctcagt ctgttgctcc atctttctga gcctctgctt 7200
ggtatgtcat gtttatggtc actacggatg agtgtgtgca gagtttgggt tgattctttt 7260
aaatgctaca aacaagagct atttcttttc aataaaaaag gtttggattc ggcctcttcc 7320
tctgagccca cctcccagcc ctccagggag catcagtgta cctgagtcac tttgtctgca 7380
tctcttcac ccacaaaaca cgaggctggg tctcattcag cggcctctca ccaaccttca 7440
agatccagaa gaaaacagga acgttcagct ctgccctgtg tcgtatctaa tcacatacat 7500
taatttatct aaccacataa gttatttttt tttatttgcc cagaaataaa cttttaaagg 7560
aacg

```

```

<210> 6267
<211> 770
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (359)...(773)
<223> similar to gi4884094 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 6267
cacaacttta cacctgaatg aacgccaaac ctctatggat atataaaggg aagcttgagg 60
aggaatttca cagttacagt gcagaagcag aggcaaaaga attaacccagc tcttcagtca 120
agcaaatcct ctactacca tgcttcctcc tgccattcat ttctatctcc ttccccttgc 180
atgcatccta atgaaaagct gtttggcttt taaaaatgat gccacagaaa tcctttattc 240
acatgtgggt aaacctgttc cagcacaccc cagcagcaac agcacgttga atcaagccag 300
aaatggaggc aggcatttca gtaacactgg actggatcgg aacactcggg ttcaagtggg 360
ttgccgggaa ctgcgttcca ccaaatacat ctctgatggg ccagttgcac cagcatcagc 420
cctctgaagg gagctggtgt gtgctgggag agtgcttgcc cctgccagtg ctccctaact 480
ggattggagg aggctatgga acaaagtact ggagcaggag gagctcccag ggagtgggag 540
gtgtgttcaa tggacaaaac ccgttaccca gaggattccc agttgcagt ccaagatggc 600
agcacacgca cctacaaaat cacagttagt tcattgcctg caagtgcaag aggtacaccc 660
ggcagcacia cgagtccagt cacaactttg agagcatgtc acctgccaa caggtccagc 720
atcacagaga gcggaagaaa gccagcaaat ccagcaagca cagcatgagt 770

```

```

<210> 6268
<211> 8872
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(8873)
<223> n = a,t,c or g

```



<220>  
 <221> misc\_feature  
 <222> (170)...(5244)  
 <223> similar to gil212917 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 6268

cccgaattc	ccgggcccgc	gatttcgtgc	gagcggcagc	agctccgggc	tcgagagccc	60
gcgcccattg	cagtgcccat	gcggggccgc	cgccagtgc	gccggagagg	tggtccccc	120
acactggggc	tcccactact	gcgaggagt	acccacgaag	gccacagaga	tggccggggc	180
ttcggatgaag	gtggcggtgc	gggtccgccc	cttcaattcc	cgggaaatga	gccgtgactc	240
caagtgcatt	attcagatgt	ctggaagcac	caccaccatt	gttaacccca	aacagcccaa	300
ggagacgccc	aaaagcttca	gctttgacta	ctcctactgg	tcgcacacct	cacctgagga	360
catcaactac	gcgtcgaga	agcagggtga	ccgggacatc	ggcgaggaga	tgctgcagca	420
tgcttttgag	ggatacaacg	tgtgcatctt	cgcctatggg	cagacgggtg	ccggcaagtc	480
ctacaccatg	atgggcaagc	aggagaagga	ccagcagggc	atcatccac	agctctgcga	540
ggacctcttc	tctcgatca	acgacacgac	caacgacaac	atgtcctact	ccgtggaggt	600
cagctacatg	gagatttact	gtgagcgct	ccgtgacctc	ctgaacccca	agaacaagg	660
caaccttcgc	gtgagggagc	acccactgct	ggggccctac	gtggaggacc	tctccaagct	720
ggctgtcacc	tcctacaatg	acatccagga	cctcatggac	tcagggaaca	aggccaggac	780
cgtggcgggc	accaacatga	atgagaccag	cagtcgctcc	cacgccgtct	tcaacatcat	840
cttcaaccag	aagcgccatg	acgcagagac	caatatcacc	acggagaagg	tgagcaaaat	900
cagcctgggtg	gacctggctg	ggagcgagcg	ggctgactcc	acgggagcca	agggcacgcg	960
cctcaaggag	ggagccaaca	tcaacaagtc	gctgaccacc	ctgggcaagg	tcattctccg	1020
cctggctgaa	atggactccg	gacccaacaa	gaacaagaaa	aagaagaaga	cagatttcat	1080
tccgtaccga	gattccgtgt	tgacctggct	cctccgggaa	aacctgggcg	gtaactcaag	1140
gacagctatg	gtggcagcct	tgagtcctgc	agacatcaac	tacgatgaga	cccttagcac	1200
gctgaggtat	gctgaccggg	ccaagcagat	ccgctgcaat	gctgtcatca	atgaggacc	1260
caacaacaag	ctgatccgcg	agctgaagga	tgaggtgacc	cggctgcggg	accttctgta	1320
cgcccagggt	cttggcgaca	tactgacat	gaccaatgcc	ctggtgggta	tgagcccctc	1380
atcctcgctc	tcagccctgt	ccagccgcgc	ggcctccgtg	tccagcctcc	acgagcgcat	1440
cttgtttgcc	ccgggcagcg	aggaggccat	tgaaagactg	aaggaaacag	agaagatcat	1500
agctgagctc	aatgagacct	gggaggagaa	gctgcggcgg	acagaagcca	tccggatgga	1560
gagggaagcc	ctgctggccg	agatgggtgt	ggccatgagg	gaggatggcg	gcaccttggg	1620
cgtattctct	cccaaaaaga	caccacacct	cgtcaacctg	aacgaggacc	cgctgatgtc	1680
tgagtgcctg	ctctactaca	tcaaggatgg	gatcaccaga	gtgggcaggg	aggatggcga	1740
gaggcggcag	gacattgttc	tgagtgggca	cttcatcaag	gaggagcact	gcgtcttccg	1800
gagcgactcc	aggggaggca	gcgaagctgt	ggtgaccttg	gagccctgtg	agggggcaga	1860
cacctacgtc	aatggcaaga	aagtcacaga	gcccagcatc	ctgcgttcag	gaaaccgcat	1920
catcatgggt	aagagccatg	tgttccgggt	caaccacccc	gagcaggccc	ggcaggagcg	1980
tgagcgcacg	ccttgtgcgg	agacgccagc	tgagcctgtg	gactgggctt	tcgcccagcg	2040
tgagctgctg	gagaagcagg	gcacgcacat	gaagcaggag	atggagcaga	ggctccagga	2100
actggaggac	cagtaccgcc	gcgagcggga	ggaggccacc	tacctgctgg	agcagcagcg	2160
gctggactat	gagagcaagc	tggaggctct	gcagaagcag	atggactcca	ggtactacct	2220
ggaggtgaac	gaggaggagg	aggagcccga	ggatgaagtc	cagtgagacg	agcgggagtg	2280
tgagctggcg	ctctgggcct	tccggaagtg	gaagtgggtac	cagttcacgt	ctctgaggga	2340
cctgctgtgg	ggcaacgcca	tcttccctcaa	ggaggccaat	gccatcagcg	tgagagctgaa	2400
aaagaaggta	caattccagt	ttgtcctcct	gacggacaca	ctctactccc	ctctgccacc	2460
cgacctgctg	ccccagagg	ccgccaaaga	ccgagagaag	cggcccttcc	cccgcaccat	2520
tgtggccgtg	gaggtccagg	accagaagaa	cggggccacc	cactactgga	cgctggagaa	2580
gctcaggcag	cgtctggacc	tgatgcggga	gatgtacgac	cgcgctgcag	aggtgccctc	2640
cagtgctcat	gaggactgtg	acaacgtggg	gaccggcgga	gaccccttct	atgaccgctt	2700
cccctggttc	cggctgggtg	gcagggcctt	cgtgtacctg	agcaacctgc	tgtaccccg	2760

tccccgtgta	caccgtgtgg	caatcgtcag	cgagaagggc	gaggtgaagg	gcttcctccg	2820
cgtggccgtc	caggccatct	cagccgatga	agaggcccct	gattatggct	ctggcgctccg	2880
ccagtcggga	actgctaaaa	tctcctttga	tgaccagcat	tttgaaaagt	tccagtcgga	2940
gtcttgcccc	gtggtgggga	tgtcccgcctc	gggaacctcc	caggaagagc	ttcgcatcgt	3000
ggagggccag	ggccaggggtg	cagacgtggg	gccctcagcc	gatgaagtca	acaacaacac	3060
ctgttcagca	gtgccccccag	aaggccctcct	cctagacagc	tctgagaaaag	ccgcccctgga	3120
tgggccccctg	gatgctgccc	tggaccacct	ccgcttgggc	aacaccttca	ccttcctgtgt	3180
gacagtcctg	caggcggtcca	gcatctctgc	cgaatatgcc	gacatcttct	gccagttcaa	3240
cttcatccac	cgccacgacg	aggccttctc	cacagagccc	ctgaagaaca	caggcagagg	3300
ccccccactt	ggcttctacc	acgtccagaa	catcgagtg	gaggtgacca	agtccttcat	3360
tgagtacatc	aagagccagc	ccattgtttt	cgaggtcttt	ggccactacc	agcagcacc	3420
gttcccgcgc	ctctgcaagg	acgtgctcag	ccccctgagg	ccctcgcgcc	gccacttccc	3480
tcgggtcatg	ccactgtcca	agccagtgcc	cgccaccaag	ctcagcacac	tgacgcggcc	3540
ctgtccggga	ccctgccact	gcaagtacga	cctgctggtc	tacttcgaga	tctgtgagct	3600
ggaggccaac	ggcgattaca	tcccggccgt	ggtggaccac	cgtgggggca	tgccatgcat	3660
ggggaccttc	ctcctccacc	aggccatcca	gcgagcgatt	acggtgacac	tactgcatga	3720
gacaggcagc	catatccgct	ggaaggaaagt	gcgcgagctg	gtcgtggggc	gcatccgaaa	3780
cactccagag	accgacgagt	ccctgatcga	ccccaacatc	ttgtctctca	acatcctctc	3840
ttccggatac	atccacccag	cccaagatga	ccggaccttt	taccaatttg	aggctgcgtg	3900
ggacagctcc	atgcacaact	ctctcctgct	gaaccgggtc	accccttatc	gagagaaaaat	3960
ctacatgaca	ctctccgctt	atatcgagat	ggagaactgc	accagccgg	ctgttgtcac	4020
caaggacttc	tgcattggtct	tctattcccc	tgatgccaaag	ctgccagcct	cgcgctccat	4080
ccgcaacctc	tttggcagtg	ggagccttcg	ggcctcagag	agtaaccgtg	tgactggtgt	4140
gtacgagctc	agcctgtgcc	acgtggctga	cgcgggcagc	ccagggatgc	agcgccggcg	4200
ccgacgagtc	ctggacacat	ctgtggccta	tgtccggggc	gaggagaacc	tggcaggctg	4260
gaggccccgg	agtgcagctc	tcatcttgga	ccaccagtgg	gagctggaga	agctgagcct	4320
cctgcaggag	gtggagaaga	ctaggcacta	cctgctcctg	cgggagaagc	tggagaccgc	4380
ccagcggcct	gtcccggagg	cactgtcccc	ggccttcagc	gaggactctg	agtcctcatgg	4440
ctcctccagc	gcctcctccc	cgctctcggc	tgagggccgc	ccattcaccc	tgggaggctt	4500
cccaacgaga	ggcagcggga	gctggccgtc	aagtgtctgc	gcctgtcac	gcacacattc	4560
aacagagagt	acacacacag	ccacgtctgc	gtcagtgcga	gcgagagcaa	gctctccgag	4620
atgtctgtca	ccctgctccg	ggaccctgcg	atgtccctc	taggggtggc	cactctcacc	4680
ccctcctcca	cttggccctc	tctggttgaa	gggcggtacg	gtgccactga	cctgaggacc	4740
ccgcagccct	gctcccggcc	agccagccca	gagcccagc	tgctgccaga	ggccgactcc	4800
aagaagctcc	cttcccctgc	ccgggcaaca	gagacagaca	aggagcccca	gcgcctgctg	4860
gttccctgac	atccaggaga	tccgagtcag	cccgatcggt	tccaagaagg	ggtacctgca	4920
cttccctggag	ccgcacacgt	caggctgggc	caggcgcttc	gtggtggtgc	ggcgccccta	4980
tgccctacatg	tacaacagcg	acaaggacac	cgtggagcgg	ttcgtgctca	acctggccac	5040
tgcccagggtg	gagtacagtg	aggaccagca	ggctatgctc	aagacacca	acacattcgc	5100
ggtgtgcacg	gaacaccgcg	gcatcctgct	gcaggccgcc	agcgacaagg	acatgcatga	5160
ctggctgtac	gccttcaacc	ccctcctggc	cgggaccata	cgggtccaagc	tctccagaag	5220
gaggtctgcc	cagatgcggg	tctgaacctg	agccctcccc	tgacagccgg	gcaggcccca	5280
gcccataccc	tccctcatcc	tctgtctgacc	tgtcaacctg	ccgcccagcc	cctctcctgc	5340
catacagccc	acgactgggt	cgaaccccc	agggggcgcc	catgcccagg	cccggggacc	5400
ctgtgcccac	acgaaccagc	tgtgctcccc	ancagaggct	gtgcgtgtca	gttcttcttg	5460
cagaatgtgc	tctggtggaa	caagttggga	gaggctgggg	gggccaaggg	cacaggttac	5520
gggggttctt	gctgcccgttc	taatatTTTT	ttaagcatag	acagacttat	aattaatata	5580
cgttagttag	tgacattgaa	acagtcaact	cggaaattaa	ctataagact	tgggtctatTT	5640
ataagtattt	atttctaattg	cctccacata	gccttgaat	attcagatgg	aacccccaac	5700
cacctccacc	ctgtttgttc	ccacatgtgt	ctcccaagcc	tgctagggac	aggcagggca	5760
gggacagcca	ccttggaagg	ccgcagtgag	gagctgtctg	gaccagtggg	gcaccttggg	5820
gctagcacac	gggtgtatcg	cctgggcccc	aggcttctcc	atggccacat	gggtcctggg	5880
tgtatgtgtg	ggagagtggg	ggggtgtctt	tgggtgcctga	agtctgcgcg	gcatggaggg	5940
tgggtgtgagt	tcctctgggtg	ggagggagaa	cgcacatctc	ttctgggcgg	ccacctgagg	6000
agtgactcca	agaagagttc	cggcagcttt	ccccaggaaa	gggtgagggg	tgacactcgg	6060
ctctggctct	gagatgaggc	agacggcacc	caggctgtga	tctgtcctgg	gcggggacca	6120
ggagggagcg	gggtcgggat	cacctgccag	tgtgcagact	ctgggactgc	gtgctgtctc	6180

cggaccatca	gggtagggtg	gtgggttgag	accaggaagt	cagggaagat	cggaattcag	6240
ggcgacggtc	taggtgtcga	gggtgttggc	cgcagcctct	tcagctgcgg	cgagaaatcg	6300
agtgagtc aa	ggtagcttct	gggaagaaat	gctgccatta	gcaggtttct	tgcaaagact	6360
ttcctctctt	tgttcccagg	gcagagagtt	tctgtgagtc	ccactgagaa	aatcccatgg	6420
ggtgggggta	tcctggtcgg	tcggcaatgg	aggttggtcg	gcttgggtgg	tattgtcttc	6480
aaggagctct	tcgctgctgc	atctgcggtg	tccttttgtt	cttgtcccat	ttcaccacct	6540
ctgcagacac	caatgtccga	gggccaccca	ggacaggacg	ggggtcagcc	ccaagctgag	6600
agtctggtca	taggagtcac	gtccagaggc	ctaggagggt	tttagggggc	ctccccaccc	6660
acacccacag	gtcgatttgg	tctctttttt	aagttcaaag	ggaaagacag	tagccaagca	6720
acagagcccc	tctcccgcgg	tggcccgtgg	gagcagttac	atcgggtctg	gtgctccaga	6780
cctagggccc	agcactttca	tcagatcctg	cctcctggag	tgggggaaac	gcagcacccc	6840
actggttctg	aggccccctac	cctcccaggc	tgtcccacgt	gatgctgaca	tgagcctcag	6900
agaccccaat	cccattgcctg	ggggagagac	agcggtcag	gagtggggga	gcacgggcct	6960
tctacaccac	atgggaaggg	tctggcatga	ggttttcctt	tgggaagggt	gtttggggcc	7020
ctgaagttdc	atctccgaga	gtgggtgca	gggcaggcca	gggcccatgc	tggctgcagt	7080
ctctgtggct	gcctgcctgg	gccagcctgt	ttgggagctg	ggactgtggg	ctgcctttt	7140
cgtacctggg	ctcaggtgcg	gtgtggccac	cgccaccttc	atccccgtcc	tgggaggctc	7200
tcccaggggc	tgatgggggg	gttctgtgag	ggagaatcag	ggctcgggaa	gccacgcctg	7260
ggaaggcagg	acacaggaca	cagcagcttt	ctttggaaat	ctcccaggtg	aggattcaca	7320
tcccaaaata	aaattcagaa	gccagggtgg	ctgtgctccc	catgggtgac	ctctggaggc	7380
agtggaccaa	gatgcagcaa	ggagaggatg	cagaacagct	tcttgcaaaa	gcacctgtct	7440
cggcatccag	cgctgcctgg	aggcaggaag	gagaggcagg	gcaggacacg	ctggtctgag	7500
atgaggggga	gccccacggg	ccccaggcag	gctagaggag	gcacaggccc	tgccacggcc	7560
aactcaggtc	agccagcctg	aggctgtggc	ctccaaaggg	tctgggcgca	ccccccaggt	7620
cgcagggtgc	tgaggccagc	caacctgcag	agcactcgcg	gcgtgggtgg	gctgagtgga	7680
ggtgcctggg	agctgcctaa	attcagaagc	ctccactgcc	atggagactg	cctggctgtg	7740
tcctctcagc	caggtgcctg	gttggccttg	gctaggaccc	agagccacac	tgagcctcc	7800
gccgactccc	tccttcgggg	cctgctctag	tgaggagtgc	ctaagccagg	accagaaaac	7860
tcaaagttda	tgggtgagag	agggcgctg	agtcaggaca	cctggcttct	tgaaaagttc	7920
gctctgccag	aaaccaccta	gggaccacgt	tagctgcctt	ccttgagctc	cccaggagtc	7980
ggtttccaca	tctgtgaggt	ggagggtgg	tgtggagggt	ctcatggggg	gcgtgcttg	8040
ggagacagcc	aggcccaggg	tggctgctgc	ttcctgctaa	gtggggggagg	tgagacagat	8100
ctggaaagcc	gtctccctca	gatggtttca	tttaatgctt	tatactgccg	agtctggggg	8160
cttgtttttg	tttgggggca	gccatcctcc	accagaaagg	gggagctcct	tccgctgcgg	8220
ctccagatag	atggggatgc	cgggctccag	gccgaccagc	acttgggatc	tgatgggaca	8280
cggccagtgc	ctaggggtgc	caagtccaag	gcctcccaact	gggagtcac	gctgagaaga	8340
tgccaatggt	tcacccaccg	gctgcacagg	cacaaactcc	cccacccagg	acggctgtga	8400
tgagggtggc	ctccctgtca	accctgggtc	ctggagtccc	cagcacctgg	ggccctgggt	8460
gggctgatgt	cacagggtgt	tactgtgctg	ctgcactggg	cctatgccag	cctcacccat	8520
gtggggacca	cgaaggcac	actcccttac	ccccggtgcc	gggccgtgcg	gtcccccaga	8580
cggacagcag	ctgtggcgac	ctgcgtttct	ccctgggcct	gtgcttctct	tagttagtcc	8640
gtccccctgt	tcctctgtgg	ctcagaggcc	gcgtccctgg	ctgtacata	tgtgattgct	8700
gtggggcacac	cccagacccc	atgtcatagc	tgcctcccg	acgtcacagc	gcccgtcccg	8760
atgtcttaca	cccagagtgt	agccctaggc	tccgttactg	tgcgtgcact	tgaggctctg	8820
taccaattaa	gaaataaatg	tggctcttac	tcaacacagt	aqaaaaaaaa	aa	8872

```
<210> 6269
<211> 1268
<212> DNA
<213> Homo sapiens
```

```
<220>  
<221> misc feature
```



```

atcctgtgtc cagagggggc cttagctgct ccagcccgcg atgaggaaaa gtccagggtct 480
gtctgactgt ctttgggcct ggatcctcct tctgagcaca ctgactggaa gaagctatgg 540
acagccgtca ttacaagatg aacttaaaga caataccact gtcttcacca ggatttttga 600
cagactccta gatggttatg acaatcgcct gagaccagga ttgggagagc gtgtaaccga 660
agtgaagact gatatcttcg tcaccagttt cggaccgcgt tcagaccatg atatggaata 720
tacaatagat gtattttttcc gtcaaagctg gaaggatgaa aggttaaaat ttaaaggacc 780
tatgacagtc ctccgggttaa ataacctaata ggcaagttaa atctggactc cggacacatt 840
tttcacacaa ggaaagaagt cagtggccca caacatgacc atgcccaaca aactcctgcg 900
gatcacagag gatggcacct tgctgtacac catgaggctg acagtgagga gctgaatgtc 960
cgatggcatt tgggaggggc ttccctatgg gatggcccat gcttgccac taaaatttgg 1020
aagttatgct tatacaagag cagaagttgt ttatgaatgg accagagagc cagcacgctc 1080
agtggttgta gcagaagatg gatcacgtct aaaccagtat gaccttcttg gacaaacagt 1140
agactctgga attgtccagt caagtacagg agaatatgtt gttatgacca ctcatattcca 1200
cttgaagaga aagattggct actttgttat tcaaacatac ctgccatgca taatgacagt 1260
gattctctca caagtctcct tctggctcaa cagagagtct gtaccagcaa gaactgtctt 1320
tggagtaaca actgtgctca ccatgacaac attgagcatc agtgccagaa actccctccc 1380
taagggtggc tatgcaacag ctatggattg gtttattgcc gtgtgctatg cctttgtggt 1440
ctcagctctg attgagtttg ccacagtaaa ctatttctact aagagaggtt atgcatggga 1500
tggcaaaagt gtggttccag aaaagccaaa gaaagtaaag gatcctctta ttaagaaaaa 1560
caacacttac gctccaacag caaccagcta caccctaat ttggccaggg gcgaccggg 1620
cttagccacc attgctaaaa gtgcaaccat agaacctaaa gaggtcaagc ccgaaacaaa 1680
accaccagaa cccaagaaaa cctttaacag tgtcagcaaa attgaccgac tgtcaagaat 1740
agccttcccc ctgctatttg gaatctttta cttagtctac tgggctacgt atttaaacag 1800
agagcctcag ctaaaagccc ccacaccaca tcaa 1834

```

<210> 6271

<211> 6292

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(6293)

<223> n = a,t,c or g

<220>

<221> misc\_feature

<222> (1134)...(5014)

<223> similar to gi4589564 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 6271

```

gaggacagag tgcagccttt tcctccccta atagaaaagc cattgccctc ttttccctccc 60
ctaatagaaa agccattgcc ctcttttctt ccacccttaa gaagacctgc atctgtttga 120
ccaacagaca actatccggc ttacggccag gggagcccct gcagctgcac agaaccagtt 180
tcttatgtat ctggcggtaa ttgggaaagc ttctgagaaa gtccatgggg ccgatgtatg 240
ggagatgaat gtggtcccgg aggcatttaa acgagggctg tgtggtgtgc tcatgtggag 300
ggatggacta cactgcatac taactgtaag caggccgaga gacccaataa ccagcagaat 360
tgtttcaaag ttttgcgatt tggcaciaag agttgtacga ctggagactg ggaccttga 420
atcagtgtca gcccgtgatt tcaaaaagcc tagagaaacc tcttgagtgc attaaggggg 480

```

aagaaggtat	tcaggtgagg	gagatagcgt	gcatccagaa	agacaaagac	attcctgcgg	540
aggatatcat	ctgtgagtag	tttgagccca	agcctctcct	ggagcaggct	tgctcattc	600
cttgccagca	agattgcac	gtgtctgaat	tttctgcctg	gtccgaatgc	tccaagacct	660
gcggcagcgg	gctccagcac	cggacgcgtc	atgtgtgtgc	gccccgcag	ttcggaggct	720
ctggctgtcc	aaacctgacg	gagttccagg	tgtgccaatc	cagtccatgc	gaggccgagg	780
agctcaggta	cagcctgcat	gtggggccct	ggagcacctg	ctcaatgccc	cactcccgc	840
aagtaagaca	agcaaggaga	cgcgggaaga	ataaagaacg	ggaaaaggac	cgcagcaaag	900
gagtaaagga	tccagaagcc	cgcgagctta	ttaagaaaaa	gagaaaacaga	aacaggcaga	960
acagacaaga	gaacaaatat	tgggacatcc	agattggata	ttagaccaga	gaggttatgt	1020
gcattaacaa	gacggggaaa	gctgctgatt	taagcttttg	ccagcaagag	aagcttccaa	1080
tgaccttcca	gtcctgtgtg	atcaccaaag	agtgccagg	ttccgagtgg	tcagagtggg	1140
gccccgtctc	aaaaacatgc	catgacatgg	tgtcccctgc	aggcactcgt	gtaaggacac	1200
gaacccatcag	gcagtttccc	attggcagtg	aaaaggagtg	tccagaattt	gaagaaaaag	1260
aacctgttt	gtctcaagga	gatggagttg	tcccctgtgc	cacgtatggc	tggagaacta	1320
cagagtggac	tgagtgccgt	gtggaccctt	tgtcagtc	gcaggacaag	aggcgcggca	1380
accagacggc	cctctgtgga	gggggcatcc	agaccgcaga	ggtgtactgc	gtgcaggcca	1440
acgaaaacct	cctctcaca	ttaagtaccc	acaagaacaa	agaagcctca	aagccaatgg	1500
acttaaaatt	atgcactgga	cctatcccta	atactacaca	gctgtgccac	attccttgtc	1560
caactgaatg	tgaagtttca	ccttggtcag	cttggggacc	ttgtacttat	gaaaactgta	1620
atgatcagca	agggaaaaaa	ggcttcaaac	tgagggaagc	gcgcattacc	aatgagccca	1680
ctggaggctc	tggggtaacc	ggaaactgcc	ctcacttact	ggaagccatt	ccctgtgaag	1740
agcctgcctg	ttatgactgg	aaagcagtg	gactgggaga	ctgcgagcca	gataacggaa	1800
aggagtgtgg	tccaggcacg	caagttcaag	aggttgtgtg	catcaacagt	gatggagaag	1860
aagttgacag	acagctgtgc	agagatgcca	tcttccccat	ccctgtggcc	tgtgatgccc	1920
catgcccga	agactgtgtg	ctcagcacat	ggtctacgtg	gtcctcctgc	tcacacacct	1980
gctcaggga	aacgacagaa	gggaaacaga	tacgagcacg	atccattctg	gcctatgcgg	2040
gtgaagaagg	tgggaattgc	tgtccaaata	gcagtgtctt	gcaagaagta	cgaagctgta	2100
atgagcatcc	ttgcacagtg	taccactggc	aaactgggtc	ctggggccag	tgcataggag	2160
acacctcagt	atcgctcttc	aacacaacta	cgacttgga	tggggaggcc	tcctgctctg	2220
tcggcatgca	gacaagaaaa	gtcatctgtg	tgcgagtcaa	tgtgggcca	gtgggaccca	2280
aaaaatgtcc	tgaaagcctt	cgacctgaaa	ctgtaaggcc	ttgtctgctt	ccttgtaaga	2340
aggactgtat	tgtgacccca	tatagtga	ggacatcatg	cccctctatc	gtgtaagaa	2400
ggggactcca	gtatcaggaa	gcagtctagg	catcggtca	tcattcagct	gccagccaac	2460
gggggcccag	actgcacaga	tcccctctat	gaagagaagg	cctgtgaggc	acctcaagcg	2520
tgccaaagct	acaggtggga	agactcaca	atgggcacag	atgccaaatt	agtccctttg	2580
gagcgtgcaa	caagacagcc	cctggagcac	aggaaggctg	tgggcctggg	cgacaggcaa	2640
gagccattac	ttgtcgcaag	caagatggag	gacaggctgg	aatccatgag	tgctacagt	2700
atgcaggccc	tgtgccagcc	cttaccagag	cctgccagat	cccctgccag	gatgactgtc	2760
aattgaccag	ctggtccaag	ttttcttcat	gcaatggaga	ctgtggtgca	gttaggacca	2820
gaaagcgac	tcttgttgga	aaaagtaaaa	agaaggaaaa	atgtaaaaat	tcccatttgt	2880
atccccctgat	tgagactcag	tattgtcctt	gtgacaaata	taatgcacaa	cctgtgggga	2940
actggtcaga	ctgtatttta	ccagagggaa	aagtggaa	gttgctggga	atgaaagtac	3000
aaggagacat	caaggaatgc	ggacaaggat	atcgttacca	agcaatggca	tgctacgatc	3060
aaaatggcag	gcttgtggaa	acatctagat	gtaacagcca	tggttacatt	gaggaggcct	3120
gcatcatccc	ctgcccctca	gactgcaagc	tcagtga	gtccaactgg	tcgcgtgca	3180
gcaagtccctg	tgggagtgg	gtgaaggttc	gttctaaatg	gctgcgtgaa	aaacatata	3240
atggaggaag	gccttgcccc	aaactggacc	atgtcaacca	ggcacagggtg	tatgagggtg	3300
tcccatgcca	cagtgaatgc	aaccagtacc	tatgggtcac	agagccctgg	agcatctgca	3360
aggtgacctt	tgtgaatatg	cgggagaact	gtggagagg	cgtgcaaac	cgaaaagtga	3420
gatgcatgca	gaatacagca	gatggccctt	ctgaacatgt	agaggattac	ctctgtgacc	3480
cagaagagat	gccccgggc	tctagagtgt	gcaaattacc	atgccctgag	gactgtgtga	3540
tatctgaatg	gggtccatgg	acccaatgtg	ttttgccttg	caatcaaagc	agtttccggc	3600
aaaggtcagc	tgatcccatc	agacaaccag	ctgatgaagg	aagatcttgc	cctaattgctg	3660
ttgagaaaga	accctgtaac	ctgaacaaaa	actgctacca	ctatgattat	aatgtaacag	3720
actggagtac	atgtcagctg	agtgagaagg	cagtttgtgg	aaatggaata	aaaacaagga	3780
tgttggattg	tgttcgaagt	gatggcaagt	cagttgacct	gaaatattgt	gaagcgcttg	3840
gcttgagaaa	gaactggcag	atgaacacgt	cctgcatggt	ggaatgccct	gtgaactgtc	3900

agctttctga	ttggtctcct	tggtcagaat	gttctcaaac	atgtggcctc	acaggaaaaa	3960
tgatccgaag	acgaacagtg	acccagccct	ttcaaggtga	tggaagacca	tgcccttccc	4020
tgatggacca	gtccaaaccc	tgcccagtg	agccttgta	tcggtggcaa	tatggccagt	4080
ggtctccatg	ccaagtgcag	gaggcccagt	gtggagaagg	gaccagaaca	aggaacattt	4140
cttggtgtagt	aagtgatggg	tcagctgatg	atttcagcaa	agtggtgga	gaggaattct	4200
gtgctgacat	tgaactcatt	atagatggta	ataaaaaat	ggttctggag	gaatcctgca	4260
gccagccttg	cccaggtgac	tgttatattga	aggactggtc	ttcctggagc	ctgtgtcagc	4320
tgacctgtgt	gaatggtgag	gatctaggct	ttggtggaat	acaggtcaga	tccagaccgg	4380
tgattataca	agaactagag	aatcagcatc	tgtgcccaga	gcagatgtta	gaaacaaaat	4440
catgttatga	tggacagtg	tatgaatata	aatggatggc	cagtgccttg	aagggtcctt	4500
cccgaacagt	gtggtgtcaa	aggtcagatg	gtataaatgt	aacagggggc	tgcttggtga	4560
tgagccagcc	tgatgccgac	aggtcttgta	accacccgtg	tagtcaacc	cactcgtact	4620
gtagcgagac	aaaaacatgc	cattgtgaag	aagggtacac	tgaagtcag	tcttctaaca	4680
gcacccttga	gcaatgcaca	cttatccccg	tggtggtatt	accacccatg	gaggacaaaa	4740
gaggagatgt	gaaaaaccagt	cgggctgtac	atccaaccca	accctccagt	aaccagcag	4800
gacggggaag	gacctgggtt	ctacagccat	ttgggccaga	tgaggagacta	aagacctggg	4860
tttacggtgt	agcagctggg	gcatttgtgt	tactcatctt	tattgtctcc	atgatttatc	4920
tagcttgcaa	aaagccaaag	aaacccccaa	gaaggcaaaa	caaccgactg	aaaccttta	4980
ccttagccta	tgatggagat	gccgacatgt	aacatataac	ttttcctggc	aacaaccagt	5040
ttcggttttc	tgacttcata	gatgtccaga	ggccacaaca	aatgtatcca	aactgtgtgg	5100
attaaaaat	attttaattt	ttaaaaaatg	catcataaag	acaagagtga	aaatcact	5160
gccactggag	atatttaaga	cagtaccact	tatatacaga	ccatcaaccg	tgagaattat	5220
aggagattta	gctgaataca	tgctgcattc	tgaaagtttt	atgtcatctt	ttctgaaatc	5280
taccgactga	aaaaccactt	tcatctctaa	aaaataatgg	tggaattggc	cagttaggat	5340
gcctgataca	agaccgtctg	cagtgttaat	ccataaaaact	tcctagcatg	aagagtttct	5400
accaagatct	ccacaatact	atgggtcaaat	taacatgtgt	actcagttga	atgacacaca	5460
ttatgtcaga	ttatgtactt	gctaataaag	aattttaaca	atgcataaca	aataaactct	5520
aagctaagca	gaaaatccac	tgaataaatt	cagcatcttg	gtggtcgatg	gtagatttta	5580
ttgacctgca	tttcagagac	aaagcctctt	ttttaagact	tcttgtctct	ctccaaagta	5640
agaatgctgg	acaagtacta	gtggtccttag	aagaaccgag	tcctcaagtt	cagtatttta	5700
tagtgggtaa	ttgtctggga	aaactaattt	acttggtggt	taatacaata	cggtttccta	5760
ctttccctga	ttttcaaact	ggttgcctgc	atcttttttg	ctatatggaa	ggccacattt	5820
ttggcaccta	tattaggtgc	cagcacgata	ggcgccctaa	cccagtattg	ccataggaaa	5880
ctggcctctn	ttttcatgtg	ggatgaagac	atctgtgcc	agagtggcat	gaagacattt	5940
gcaagttctt	gtatcctgaa	gagagtaaag	ttcagtttg	atggcagcaa	gatgaaatca	6000
gctattacac	ctgctgtaca	cacacttcct	catcactgca	gccattgtga	aattgacaac	6060
atggcggtaa	tttaagtgtt	gaagtcccta	acccttaac	cctctaaaag	gtggattcct	6120
ctagtgggtt	tgtaattgtt	ctttgaaggc	tgtttatgac	tagattttta	tatttgttat	6180
ctttgttaag	aaaaaaaaag	aaaaaggaac	tggtgtctt	tttaattttg	agcagaagga	6240
gaaaataaat	aatgtatcaa	tgacctttgt	aactaaagga	aaaaaaaaaa	aa	6292

<210> 6272

<211> 3963

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (3706)...(827)

<223> similar to gi5817157 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

```

<400> 6272
tttttttttt ttacgctgca aacatttttaa tgattattgt tgagcataca ttttggaat 60
tttttacttc aaacggcaac aagttaaata aatgtttata atatacaaag aaaatacaac 120
cgaaagtaaa actcgctgta agtgtgcctt gcacttagac caggttttcc ccccttaata 180
catctttatt tttgagctgc aaacacactt aagactttga tcttcatagt atggcattta 240
ggaaataaaa atatactccc accttaaaga aataaaaaagt ttggtgcatg attatatgcc 300
aaacaaagag agaacactag aatactcttg atagtgcagg catcattaaa aaggaaaaga 360
aaaagcttga gatgctcatt aattctctat gttttaagga agcaggattt ttgaccaagt 420
agcttaaaag ccagcaaaac agggatcagt gacagcaact gtagtgtatg gagtatgaaa 480
tgacaaactt tacacaaata cactgttaga aatttaccag tgaacactga agatctgaga 540
agctgctctt tggaaacagtc aagtgggacc accttattcc agtcacataa gcccttgtaa 600
agtaacacag tgttctgtgc tatatacttg ctggctgggt agttacagga tttgttttgt 660
cattagcagc taaaaaactt attccacatg ttcttaaagc cttaatggtg gaaaaaaagg 720
caagtgtcat tagcatggtg gatcatatac ttctctgcac acaaacacaa gaggcttcac 780
tagtatTTTT aaagtctctg atgtctccca ttgcacttca aagctcaatt gagatgaaag 840
cctttctcca ttgtagcagc tagcaggcgc tctctcatga tctcctcgga agaataattca 900
ggcaacttaa ggtaatgcac acatgtattg actgatggat agcttgcac agtagcatca 960
accttgcgta caaccgtgag cctgggatgc aggttagcca gtccacctgg gggtagagtt 1020
gaacaaccag tggtaaactg caagaatgct ttcctttcat cagaagacat gccacataaa 1080
accctcaca acctcaggaa accagggtcg tcacgtgtat aaccagctt aggttcagtg 1140
taattgataa tatcctctgc tgcccaggat ggtgactggt ttccacaaag aatcatttgg 1200
acttcttcat ggctgaagga acttaatttc tccattggaa aaactttatt aaacctatct 1260
ctaaaggctt ccatttgttt ctgaataccc gtatgcatac aaaagtcaaa catcaaatcc 1320
acatattctt ctgcattatc cattgttatc atctcatctt caccacttgg cttgagatcc 1380
acagctgtaa aaccatata tcttgaggaa gggcaaaaact ggaaatttaa acctaaatcc 1440
tctatgctaa gtggaggccc agaacctgat ggattcttca gcaactagtt ctgtaatttt 1500
gtgttcttct catcttcaga aagacctttg ttgcttaaaa tttggcgctt cttgatagca 1560
aggtctttta tttcttttaa aaatctggct ctgtgtgggt ttactaattc aaagtcttcc 1620
caagtcaaaa ttccattaaa ccaagctggg ggttttgggt tagggggatc aagaataaat 1680
tctgattttg aatcctcttc aaagcttctt accgagagt aatcatgacc ttcttctgta 1740
gaagcttcag actgactttc agtacagtgt aagtctctat caccctgtga ctcataaatc 1800
agtttactca tattgctttt aatgtcaccc atacacataa gtttaaaaaa aggttttagaa 1860
ataggtaagt ccacaagtct attgtcttga atgcatttgg ccaagaaaat tccaaggaaa 1920
tgaaacagtt tctgtatcct ttcaagctca tcaactatcct gtggaaaatg tgctgtgaac 1980
agtccacatg acctctgcac ataatatcca ggaggtttca atccacctcc aagatcaacg 2040
tgacgagatt catcatctgg aaaattatca tcacaaagcc aagctcccaa gtcagttctc 2100
tggaattctg ctgccaccag agcataaaac tctaattgtg gtcccaagcc agttccttct 2160
tctcctaaaa attcaacctc aagaactgat ttccgatctg catgtatttg catgacattc 2220
tcagcccatt ccatcagtga ctgcgccagt ggaactttta ctctttcatg cttgagacga 2280
ccaactcgaa actctccagg gtcatctcgc ctaacactgc ttgtggttct cgttcgctcc 2340
acagtggctt cacgtcgggt ctgtaaccat actattgctc ttgaggcgcc aaatgctgta 2400
catgtgaaat aaagctgtct agtttcaaat ggtattagaa aaggacattt gctggttaat 2460
tgttcacacc agtctggcag agccccactt gccagtcca atggttcctc aatctgctgt 2520
aatatttttg ttgtaatttt ttgctagtga attcatctgg tggaaaagta aactgaggct 2580
gttcatcacc atcttctctg gatattcttg aataagggtc acttgcaact atatatagaa 2640
tacgcagaag ctgaaggaca tcttctactc cacaagagt ctgtccattg cctgctttgg 2700
cctgaggttg tctctttgtt aaattaagaa tatcactact ttgaagagta gaaatggccc 2760
cctgggttaa cccagacttt tgttccatgc tcaccccaa tccaatatg cagctatgag 2820
ctgagaacaa tttctgtttt tcttaatact tttattagtg ccagttaatt tccagtggcg 2880
caggaaagca gcgtctgcat tcttctgcag gtaggttatc aagtcattct ttggtaattc 2940
atcagtgcca aggtactgct ccacatgctc tatagaccag caacctattt ttccattttc 3000
cttttcttta tcagaatcct tcatttctct gtacatgatt gtgtatgtgg gctcccaaatt 3060
acgcctaagt ttatctgatt tcacattgcc attacaggac aattgaagca atttttgtac 3120
atagtaaaag atggttgatc tgaaattggt gagtggtaat tcaacttcac gagtcgttcc 3180
aagacctgtt actttcaaag tgagagctaa tcgaggtgac ggagtacatt cgacttcttc 3240

```



```

caagagctct gaatgagggg tccctggggg tggatatttct agatcagttg tctgctggac 3300
attagtacga ccagggtctag gatcaaaagc aggaaccaat gcagaaaact gtctcttttag 3360
cacataatca tcatcccatg ttctccggcg tctctcttta gtttcgtact cttcttcttc 3420
ctgctcccca ataggtcggc tccctgctcc agcaggtacc tgtggtagct gcgaggtaac 3480
agcatgatgc gttacatcag agcgggagcc agctcgacgt tgcagggatg ggcgtctcag 3540
aatcataacc tcctcgtatt cttgggtcctc ctgattgtca tcttcattct catcatcttc 3600
ttcatctggc tcaggtaagt cctcatcatc atcgagctca gccaatagag tactggcacg 3660
gcagctatca aggaaatcat ataaggaata ttctgcttcc tgacctgtgt cactctcact 3720
ggaagttgat gtgaggctgg tggttaaagt gttacttaaa gattgaccaa ctgataaaac 3780
tggtgttgct gtagctacat tgctgctgct agtaacactg gatgttgaca tagtcaactgt 3840
tgatgtagta ccagggtgtg tcaaattagg gaaactctga gcaccataa gaggagaagt 3900
tgctgtgctc atcacattcc tccccaaagt attagtgttg ttatcactgc tgcttcggct 3960
tag 3963

```

```

<210> 6273
<211> 2358
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (46)...(1320)
<223> similar to gi5919219 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 6273
tttcgtgtga cttcgggctg tgggctcgct cgcggctctt cggccatggt tttctcaaac 60
aatgatgaag gccttattaa caaaaagtta cccaaagaac ttctgttaag aatattttcc 120
ttcttgata tagtaacttt gtgccgatgt gcacagattt ccaaggcttg gaacatctta 180
gccctggatg gaagcaactg gcaaagaata gatcttttta actttcaaac agatgtagag 240
ggtcgagtg tggaaaatat ctggaagcga tgcgggtgat tcttgaggaa gctcagcttg 300
cgaggctgca ttggtgttg ggattcctcc ttgaagacct ttgcacagaa ctgccgaaac 360
attgaacatt tgaacctcaa tggatgcaca aaaatcactg acagcacgtg ttatagcctt 420
agcagattct gttccaagct gaaacatctg ggatctgacc tctgtgtgt ctattacaaa 480
cagctccttg aaggggatcc agtgagggtc gccgaaacct ggagtacctg aacctctctt 540
ggtgtgacca gatcacgaag gatggcatcg aggcactggg gcgagggttg cgaggcctga 600
aagccctgct cctgaggggc tgcacacagt tagaagatga agctctgaaa cacattcaga 660
attactgcca tgagcttggt agcctcaact tgcagtcctg ctacgtatc acggatgaag 720
gtgtggtgca gatatgcagg ggctgtcacc ggctacaggc tctctgcctt tcgggttgca 780
gcaacctcac agatgcctct cttacagccc tgggtttgaa ctgtccgcga ctgcaaattt 840
tggaggctgc ccgatgctcc ctttgactg acgcagggtt tacactttta gctcgaatt 900
gccacgaatt ggagaagatg gatcttgaag aatgcatcct gataaccgac agcacactca 960
tccagctctc cattcactgt cctaaactgc aagccctgag cctgtcccac tgtgaactca 1020
tcacagatga tgggatcctg cacctgagca acagtacctg tggccatgag aggctgcggg 1080
tactggagtt ggacaactgc ctctcatca ctgatgtggc cctggaacac ctagagaact 1140
gccgaggcct ggagcgcctc gagctgtacg actgccagca ggttaccctg gcaggcatca 1200
agcggatgag ggctcagctc cctcatgtca aagtccacgc ctactttgct cccgtcacc 1260
caccgacagc agtggcagga agtggacagc gactgtgcag gtgctgtgtc attctctgac 1320
agcagctgcc tgggccaag gggatgatg gcatcctttc ctctagaaga cctgagtctt 1380
cctgaccgac tccaccatca cccaatctgt tgattctcca ttgggaaagg catttacagg 1440

```

taaaagactt	ctgtatggat	tgcagttact	ctggtgatag	ttttcacctt	tattctgctg	1500
tgaaacaatc	aatcaaaagc	cttgtgtcag	ttaacacatg	acaagtgggc	tcaatgcagc	1560
taggaccatg	ccagaaacct	ggatctctta	agagattggg	acctacctag	gtacgaaagt	1620
tctacccttg	gcatactcag	cattcctcaa	aaagaccatc	agtgttagca	caaactgagc	1680
agaaaaaata	agctgttgat	tttctacctg	atacttaagc	cagtggccta	ctttaattca	1740
caattccatt	ttgattagca	ggacttttcc	actttgaaga	taaatagcaa	ctttatcaaa	1800
gtgactgtac	tgcaaatata	ttcataatgc	ctgatagttt	tatatataga	gacttatgtg	1860
gaaggcatgt	taataggttt	ccatgagaca	ccaaagaaaa	gaggactcta	tactgggtgg	1920
agcagggtct	tcaccttttt	gtttctgtca	acttgtcata	tacacctcca	gggacccaaa	1980
acaaaagcag	ctcgaggtct	gtgttgacct	attggaaagt	agaagctctg	gtgtatgcta	2040
cagcacataa	cacattttta	ctaaaggaaa	aaagctaatt	atgtccatgc	ctctcgtaaa	2100
actgggggga	accttaaaga	gaaagaacta	aggcttaagt	tatctgtagt	ataatcaatt	2160
agaagtaatg	aatggatgca	tgtaaaatgg	atgtgatttt	tttttcaagc	ttattttgaa	2220
atcttaaaaa	ttcagggttac	accatagcta	ctcaaaagtt	ttacacactt	aaaactcaga	2280
tcagtaagtg	ttggtacctt	ttagactcat	aaaattgaat	aaaccgattg	caatgcttta	2340
aaaaaaatta	aaaaaaaaa					2358

<210> 6274  
 <211> 1837  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(1838)  
 <223> n = a,t,c or g

<220>  
 <221> misc\_feature  
 <222> (1015)...(710)  
 <223> similar to gi2852636 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 6274						
tttttttttt	ttgactggac	ttcatttttt	ttaatagata	tagatataga	tttatattta	60
tatatataat	agttttttac	aaaaaaaaat	accaaacaaa	aaattaaaaa	caacttaaaa	120
aaacaacaac	caaacaacaa	taacaaaatt	caaacaggag	cagagatggg	gctgaggcat	180
aggggaggcc	cctagcgctg	ccctgaggag	gaggggggtga	gaggctgagg	cactcagtct	240
cccttctgct	tgggtgcttg	cacagtccca	ttggccagag	cagtgggggt	gcctggggat	300
gaggcatttg	gtgtctggga	ggtgcctcga	gaggtgtgtg	gggggcgcag	gtaggtgctg	360
aagagtttcc	catagagtgg	gtcatggagg	gagaagttct	ggaactgaca	gagggagagg	420
ccctggctgg	atcctgcctg	gcacagctca	gcatgcaaag	ctgtggcgag	aggggtgggt	480
gaaccagca	gcaggtgcag	gatggtgctg	aagccgtctt	tgtacagcag	gcggttgga	540
ccctctgctt	gctcttcagc	aaagagctca	aaggccagac	gagttagctc	ttccaggctc	600
ctgcccccat	ccagagctgc	tagtgcaagg	gccacatctc	ggaagtccac	caaacccttg	660
gtatcctgct	ggaagtagcc	aaaggcacca	gccaccgtct	gaggatcaga	gagctgtagc	720
tgcttgga	actcttctctg	gctgatcatt	cgactccggc	ctggctctgc	cccagcgtcc	780
acatagccag	cggacagccc	agccttccga	agcacttttc	ccagttccca	gagctgtggg	840
tccaacgcca	ccttcagccg	gccaccaca	atcacaggta	agctccctac	aaactcacat	900
tcggtggctg	gaatgccag	agcctgtgcc	atgaccctct	gaacattggt	ggcatagagg	960



taactagaaa	acaccatgac	caactcaagg	attgtatatt	taacaactta	gatgaaacag	1080
attccctata	ggatacaaac	tagaaagctc	actgtagaaa	cagataacct	aaacagaacc	1140
atattttatta	aggaaattga	gtttgtgggt	aagttaaaaa	ccttccagta	aagaaaaacta	1200
caggcccaga	taacttccga	gatgaatttt	accaaact	taaggggagaa	agaatatcaa	1260
ttctaaacaa	tctcttccag	gaaacagaag	aggaggaaat	acttcccaac	tcatttttatt	1320
tgaccagtat	taccagaca	aagatactat	aagaaaaaaa	actttaaaac	aatgtcttca	1380
tgtgctaaca	tctgtagtta	aattagccat	tctttttaca	tgaaataatg	ggaattggta	1440
tatttcttcc	atttcathtt	tctatttctt	tgctaataata	ccacctgtaa	caaattcaat	1500
ctagatgcta	tctgtccact	tgccacatt	tccattctat	tcaagccatt	tttgctcttc	1560
aagtaccttg	atcacttttg	aatcatagca	ttgcaagcta	tttcaaaaaa	agttgcgtgg	1620
ttggattgtg	ctagctactt	ttaaatttat	aaaaaatgcc	ccatatattt	tcttgcttgt	1680
ctgggaaata	tagttgctat	ctaactagaa	aaataagagg	gcattattaa	agtaactcct	1740
taagcatcgt	actaaatggt	tgacttccat	taaccatatt	tcttgtagta	gctgtagcta	1800
ttatgatact	gtgtaaaaca	gaacagggtc	tatatatgca	aatgacattt	tcatttaatg	1860
taccaaattg	tgtatctaac	ttttataata	taggttaaac	agatcctttc	taagatggca	1920
ttattttaatc	tttacttaaa	actatgaaaa	atatgtgtaa	gttattgttt	ataaacagaa	1980
gagactataa	ttaaaatata	gagcagattc	caagtgaacca	tcatttttact	ttttagattt	2040
aaaacagaat	gaaacagaag	atttagtcat	aagaagatgc	ttgaaaaaca	atccaagtat	2100
ccaatgcagt	ggctataaaa	tattattttca	tcattttaatc	ttaatcattt	tgaaacaaaag	2160
acagacttca	attttacact	gcttgcactt	tattttgtac	agacatttca	ttaattatta	2220
ctcaattttg	aggtgcaaac	cttctgaata	tagctttcat	tttggaccaa	acaatttggt	2280
atggcaataa	ataatgatgc	attgaaaaac	caatttttgt	atttgattta	atcgactct	2340
tacattttaag	aaatttatat	atacattctt	gaatttcaac	ttacccaaat	agaatagctt	2400
ttattttaaca	gcctaagctt	ttgttttctt	gacaaatact	gaaacttttt	ggttacatta	2460
atgctgcaaa	gttggtttatc	acctcaactt	tctcactgct	ttgctcataa	ctaagtgtga	2520
ttacatggag	agagaaaagt	ttgtaacagt	aacacatgat	ttagagttta	aaatcatatc	2580
agaagatggg	aattatttta	atatacctta	taaaaataag	tggtcttaatc	aatgagaaaa	2640
aaaccagggg	gtttttggct	tataattaga	aaataagtat	tattcttagt	taatagttaa	2700
ttaaaaaaa	tcaacaacct	aaaaagtaaa	accaattctg	atgtgttcag	tagctgaaag	2760
atatgtatgt	ttgtagggtat	aatatacaaa	tacagacaca	aaccattaca	gtaattttga	2820
aaacaactag	aaagcttata	ctgtgttgac	aaatatcagg	ttataagagg	actaccccct	2880
ttgttttaag	caaacttttt	ctgctgaccg	aatagctagg	aaaaaactgg	agttaactga	2940
aatattttcta	acaaaaatat	tacaaagttc	taagaaacaa	ctctatcttc	tagattgagg	3000
tcagccaact	atacccctgg	cggggccaaa	tctggccccg	gctggcctct	ttttttttga	3060
ggacaggggt	cttcactctg	gtcgggctcg	gntagg			3096

<210> 6276

<211> 2930

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (2840)...(613)

<223> similar to gi575654 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 6276

tttttttttt	ttgggagaca	cttctttttat	ttaggaagga	ggtccttccc	ctactggcgc	60
cgggctccct	gccaagaggg	tcggggtgac	cagccgggat	ccagaagcac	tgctcctcac	120

acacagtggg	agtggaggat	ggcttccccg	cagcctcttt	agaaagccca	ggagttctct	180
ttatttcaga	gaagggcatt	tctatacaag	acatcattcc	attacagtcg	tcacttccaa	240
ctacaggctc	agggagacga	ctcttgatat	tcataggtat	atatttactt	taatcatatt	300
ttagaaatca	gctcttccac	actaagattt	acaataaaaa	taaaataatt	tgttctgtaa	360
actatagtag	aaagtttcaa	atgtcttaaa	aactatcttc	catacaatgg	aaaaaggcct	420
ttgtgttctt	ttgggcaaag	aagacccaaa	tacgctgaga	gaagacgcat	gggcgtgttg	480
ctggagtgat	gctggaagca	cttctttgct	acagacgggt	gctaagagaa	cagagtcact	540
ttctcccctt	cagcctggaa	gtccaactct	tctcttgctt	aagaatctaa	cctcgggata	600
ttccaagatg	cttaaggctg	ctctgctggt	gcctggtcct	tggcagcagc	aacaagctct	660
gcgagagctg	agaagctttt	tatgtcactt	gcttgtagtc	ccaacttttg	tatctgctct	720
cccaagtact	caacatctag	ggccaactgc	agcctgattt	tgctgctgct	gctcatgcca	780
ccactgggac	cgacgggggt	ggcgggagtg	gtttttcttg	cttgtttcag	ccttttcagg	840
ctctcttcca	tcttcttcac	agagtttaat	acatctgaca	cggtttcata	gtacttatga	900
gtgctttcac	tgagagtgcc	ttctagccac	tgctgaatta	ttgcttggtt	gagcttatcc	960
ttgtgtccgc	tctgaagctg	gaataagggc	ttcagagcac	tgccacata	ggaggaagct	1020
gtggttggga	cctccttatt	ggttcttcgg	taaagcctgg	gaacctccag	ggcgcttttt	1080
aggaaaccga	agcaagagtc	acttaaatcc	tggatgatct	tgctactcaa	ggagggcaca	1140
caggctgaaa	aagagctctg	ggagtcctcc	agggctgctg	agatagaaga	aaaattctta	1200
aagccaatca	tttcaagttt	tggcttgatt	atttccaaga	gttctggaag	ctgctcctga	1260
agcttgctca	ggtctgcaac	cacatacacg	agctgagtcg	gggaaatgga	aaccacaggc	1320
tttgtttccg	aaggaccact	tccttggtct	tcagtgtttc	cttggggtgat	ggaagggtct	1380
ttgctaccag	ttaccaaagg	tttcttgatc	tccttgggac	tttcattaga	aatgggcctg	1440
agtgaaagct	ccattggaca	aacacagagt	atcgtgcccc	aaatctgcca	gagtgaagtc	1500
tccacaggcg	atgcaccagt	aatggcaaga	acatctcatc	tgaccaacac	ctcctaaggc	1560
tgctccaagt	tctatgagaa	gccaaaaggc	aatacggact	ttcagctggg	gcatcttcca	1620
ggacatctgt	aagtgtctgt	tctaaggatc	ccgctatttc	tctaaatctt	atttgaaaat	1680
aaacaggcaa	gttccacttc	ttattgaagc	tgtgataggc	aggatgggct	cttaatctct	1740
ttacactagc	ctgtgatcca	cactgccgtt	ccaatcttct	gacaaaatcc	atacttatgg	1800
tatattttct	atgaaatgca	tcgggattcc	caggattaaa	aagcgagggt	aacttttctt	1860
ctaattcctt	tactatttgt	ggccaaacag	aattcaccaa	aaagtcatat	ccaggaacag	1920
tattgccttt	ttcactggag	atggcacctc	ctgtgacttc	tcgaagaagg	cggcaatggg	1980
gaggaacaaa	ctccaggagt	ttattatata	tgacctgaag	gccattggga	tgagattcaa	2040
caaactgctc	tataatcacc	tcgtctatgt	atggtttcac	tagtacttgg	ccaactaagg	2100
cctccgcgtc	ccgtgtcttg	tcaatcgtgg	cgtaagtccg	caagcagtgc	cgtattatat	2160
cgacgtcaga	cgtctgaagg	ccttctaata	ggagaccttc	cagtgactgc	tgtaacatgg	2220
ctgtaatgcc	agctatacgc	ggtcttactt	tgtccaaaag	aggcatgcct	tttgctttga	2280
caagcatgaa	actgtaaact	attaaattct	gtggcaattc	tctccaaaat	ttgtccagtc	2340
aaaagggggc	tgcttgcttc	tagtgcagag	gtttcttttag	aactttgaga	gtttaagatt	2400
ttttcaattt	tctcaactga	ccgaataact	tgtataagcc	tcaatacaca	catctttttt	2460
ttcctaattg	cctcttggtt	agacattcgt	tcatcaactg	cccgaattcc	ttcactgaca	2520
gacgatctaa	ggctcagaac	ctcttctcgt	aattgtccca	aaggcacaga	aagctgggtg	2580
agggtcttgt	ccatgccaac	caagtttgtt	gaaagattga	caaaaatctg	cataatcctt	2640
gttgatgagt	tcgacctagg	ctgttttaag	aagtttatag	tagagctcca	ggtcatctct	2700
cagttcttcc	agctggaccc	gcttcctaca	gtcagacaca	aaatgatcga	catcgaaatc	2760
ttccttcagt	aactcgtcct	tgtcgaagca	gagcgtgtcc	ggcccccttg	gcaggttcat	2820
cctacttttc	tccatcccg	cggccaccgc	ctctcagtgc	caagatccca	gcgagaaaac	2880
gcaggaggat	gcgcagaccg	actcggcggc	cgcggccacc	gccagtttcc		2930

<210> 6277

<211> 696

<212> DNA

<213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (669)...(170)  
 <223> similar to gi4929725 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 6277  
 tttttttttt ttgggaactg aatataaatt aactttatta caaaaagcta aatgtatagt 60  
 ttctcattgt gagtgaacca cccacaacaa cggtaacagc cctggcagga gctgggacca 120  
 ggataccaat tatgccaggt tgaggggtac aaaggcccag gttccaggag ccgggctgac 180  
 aggcactgaa ttcacaacct ccaagagggtg ggggtgttctt ccaagggcag ttgccacccc 240  
 cgcttcctta atctgcaagt tgcttggtca ctgcatgctc tgaggcatgg gtccccggag 300  
 taatgtgcac gtccatcttg aaacgctgag gaagggagcg cagaagcttg accttgatgg 360  
 acagaccaat aagggtggcc atgctgcagt gcggaatggg tgggtgtgaaa gccacagcca 420  
 ctgtactctc ggggtcgcta acctgaaccc gcacctgctc tactacgttc aactcctcta 480  
 gcgtcagtgg atgctccggg tcattgatgg agcgaatcag atcgaagatc tcgcgtgcgt 540  
 cgatgctgtc gggaacctgc tcgtcctcct cgctgcccgt cacaggccgc tccccagagc 600  
 gctggtagat gagggggttg gcattctcca ggaggccgcc gccgaccccg ccgcccgccta 660  
 ccatcgcgga accaccaccg ctgatcctag caggcgc 696

<210> 6278  
 <211> 2374  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (2138)...(755)  
 <223> similar to gi3133134 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 6278  
 tttttttttt ttcttgtggc cattcccagg tttaattaca aaccgatccg aacatcccat 60  
 ctgggtcgac agctgggagg gcaggattgg ggggaagctg ctgggcgag cccaggccag 120  
 gcaaccacgt ccttcccctg ctcccagggt gagtaggggc ctacgactg cctcgatata 180  
 cactgtcttg gagcagcctg gctaccccga gatcccagggt gacctcaagg ctgcctgcac 240  
 ttcagcgcca gcatgtatcc tggcctgaga accccaaagc accttaagcg tccccctca 300  
 aagacaactg tgcacccagt cctcagggtg gaagagggaag ccagagccagg ccggaatcc 360  
 gcctcctccc cagggtcctg ggagctctga ctctccgggg cgtagaccg aaccagccag 420  
 gcgagagggg gacccacggg ccagggtctc gaggcagcgg ctgcttctgg atatatattc 480  
 tttaaaggcg aaatggttcc gtctttggta tgaacaccct cactccaggc aaaggagggg 540  
 gtgggcaggg gccccggcag gaggaggctc tgccagccc ggggccagct ggaggaagga 600  
 ccatgccaga ggctcatgag gaggaaggag aggcagcggg gggttcggcct gaccaggatc 660  
 caggaggagg gctgagagcc ccaaggccat gacaggcagg agccggggct gagaacaggc 720  
 aggagccagg gctgagaacg gtcacctggc tcagggtctc cgtgagacca cgccacgcag 780  
 gtgcagctca ctctcggcgg ccacgatggg ctgcccgttc tgcagggtgg ggtcgatcag 840  
 gtggctgatg ctctcaaca gcacgtcctt cgtccgtacc acgccctcgg ggtccacgag 900



agaaaatctc	ccaagaata	ggatgctacc	tgaggaatta	tgccgaataa	agaaaaggaa	780
tggatggtcg	gcagtgaat	tttcttcggg	catcaacatg	cagaaagttg	cgatgcctgc	840
tgtggcagct	gccgcctctg	ttccctcttc	attcacttcc	acaaatgact	tgtggacaat	900
ttttgatata	aaaatatctc	tggctcctga	catgccagac	agatcagcct	tgctactgtt	960
aaagagatcc	tgcacaccta	ggcgggag	gtcggagttg	agagtgtaac	tctcttccag	1020
tttgaacctg	ggcaagctga	cattaacttc	aatgaaatcg	agattctcag	gtttagtcca	1080
ctcatgcaac	ttttccaaag	tcaactgttc	ctcaatcttc	ttcaggcccg	tggactcgtc	1140
ctcaatgtca	tccggcagca	ggatgaccat	gctgagctcc	tcgccttggg	aaggcagttc	1200
cagcacaccg	gaacttaagg	tcctcgatgt	agccatatgc	aaatTTTTTt	ttctgataca	1260
tcatTTTTt	agTTTTtctg	tctttcttat	tcaatctgaa	tgggtgcattc	gtcgtggctt	1320
ctttcatgaa	tttatccttc	cagtttccct	tgaaatagat	ggcatttact	agcacaagtt	1380
tggatcatgtt	atcaaccatg	cccgaagcca	acagttccgg	aatTTTTtct	tctgtctgtc	1440
ctttgaccca	ctggttttatg	gtcttctctg	catcttcaga	ggcatgctga	aatccacac	1500
tggccagggtc	agcaccatat	gttttctgag	tcgaaaccaa	gaactcagga	aggaaattgt	1560
aagttttctc	tccatataat	ctattagcaa	gtttcagaat	ataagacgct	ccacgtttgt	1620
tgatatcagc	attcagactc	tggaaatctg	aatgaaacctc	ttcaaccgtg	ttgaaatgga	1680
aagtcttgga	cagctgtgct	gccgtgttac	ctctgggtccc	cagaaaaacc	atggccatag	1740
cagatgaaat	gctgaaggga	gagatgaaga	tgtttccagc	cggattgttc	tactcaacg	1800
ccaggaacag	gtccaaggcg	aagcgggtgt	ttgtgagct	cagctgctcc	atggtgaaaa	1860
ccgacaggcc	gccgaggcac	gctccgggct	ccgagctggg	tgcgagggtca	ggaaggaggc	1920

<210> 6280

<211> 4179

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (176)...(2834)

<223> similar to gi3095032 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 6280

gcggccgcag	cgtggagccg	ggtgattgtg	accgccgggg	gagccgggag	ccggccgcgg	60
cgccctctct	ccgtgtggcc	ccctgagcgg	ccccctccc	ctgcccggga	gggagggcgg	120
gggcacctgt	gggcagccag	tgaaccccg	cttcgatttg	tcccgcggga	accgcagga	180
ggacttcgag	ctgattcagc	gcatcggcag	cggcacctac	ggcgacgtct	acaaggcacg	240
gaatgttaac	actggtgaat	tagcagcaat	taaagtaata	aaattggaac	caggagaaga	300
ctttgcagtt	gtgcagcaag	aaattatcat	gatgaaagac	ttgtaaacac	ccagagtatt	360
gttgcttatt	tttggaaagt	atcttcaggc	gagataagct	ttggattttg	catggagttt	420
ttgtggaagt	gggtccttta	caggataatt	atcacgtaac	tggacctctg	tcagaactgc	480
aaattgcata	tgtagcaga	gaaacactgc	agggattata	ttatcttcac	agtaaaggaa	540
aaatgcacag	agatataaag	ggagctaaca	ttctattaac	ggataatggg	catgtgaaat	600
tggctgattt	tggagtatt	gcacagataa	cagctacaat	tgccaaacgg	aagtctttca	660
ttggcacacc	atattggatg	gctccagaag	ttgcagctgt	tgagaggaag	gggggttaca	720
atcaactctg	tgatctctgg	gcagtgggaa	tactgccat	agaacttgca	gagcttcagc	780
ctcctatgtt	tgacttacac	ccaatgagag	cattatttct	aatgacaaaa	agcaattttc	840
agcctcctaa	actaaaggat	aaaatgaaat	ggtcaaatag	ttttcatcac	tttgtgaaaa	900
tggcacttac	caaaaatccg	aaaaaaagac	ctactgctga	aaaattatta	cagcatcctt	960
ttgtaacaca	acatttgaca	cgggtctttg	caatcgagct	gttggataaa	gtaaataatc	1020



cagatcattc	cacttaccat	gatttcgatg	atgatgatcc	tgagcctctt	gttgctgtac	1080
cacatagaat	tcactcaaca	agtagaaacg	tgagagaaga	aaaaacacgc	tcagagataa	1140
cctttggcca	agtgaatttt	gatccaccct	taagaaagga	gacagaacca	catcatgaac	1200
ttcccagacag	tgatgggtttt	ttggacagtt	cagaagaaat	atactacact	gcaagatcta	1260
atctggatct	gcaactggaa	tatggacaag	gacaccaagg	gtggttactt	tttaggtgca	1320
aacaagagtc	ttctcaagtc	tggtgaagaa	gaattgcatc	agcgaggaca	cgtcgcacat	1380
ttagaagatg	atgaaggaga	tgatgatgaa	tctaaacact	caactctgaa	agcaaaaatt	1440
ccacctcctt	tgccaccaa	gcctaagtct	atcttcatac	cacaggaaat	gcattctact	1500
gaggatgaaa	atcaaggaac	aatcaagaga	tgccccatgt	cagggagccc	gagcaaagcc	1560
atcccaagtt	ccacctagac	caccacctcc	cagattaccc	ccacacaaac	ctggtgcctt	1620
aggaaatgga	atgagctcct	tccagttaaa	tggtgaacga	gatggctcat	tatgtcaaca	1680
acagaatgaa	catagaggcg	aaaacctttc	aagaaaagaa	aagaaagatg	taccaagcc	1740
tattagtaat	ggtcttcctc	caacacctaa	agtgcataatg	ggtgcatggt	tttcaaaagt	1800
ttttaatggg	tgccccctga	aaattcactg	tgcatcatca	tgataaaacc	cagatactag	1860
agatcagtac	ttgatatttg	gtgccgaaga	agggatttat	acctcaatc	ttaatgaact	1920
tcatgaaaca	tcaatggaac	agctattccc	tcgaagggtgt	acatggttgt	atgtaatgaa	1980
caattgcttg	ctatcaatat	ctggtaaagc	ttctcagctt	tattcccata	atttaccagg	2040
gctttttgat	tatgcaagac	aaatgcaaaa	gttacctgtt	gctattccag	cacacaaact	2100
ccctgacaga	atactgccaa	ggaaattttc	tgtatcagca	aaaatccctg	aaaccaaagt	2160
gtgccagaag	tggtgtgttg	taagaaatcc	ttacacgggc	cataaatacc	tatgtggagc	2220
acttcagact	agcattgttc	tattagaatg	ggttgaacca	atgcagaaat	ttatgttaat	2280
taagcacata	gattttccta	taccatgtcc	acttaaaatg	tttgaaatgc	tggtagtcc	2340
tgaacaggag	tacccttttag	tttgtgttg	tgtcagtaga	ggtagagact	tcaaccaagt	2400
ggttcgattt	gagacgggtca	atccaaattc	tacctcttca	tggtttacag	aatcagatac	2460
cccacagaca	aatgttactc	atgtaaccca	actggagaga	gataccatcc	ttgtatgctt	2520
ggactgttgt	ataaaaaatag	taaatctcca	aggaagatta	aaatctagca	ggaaattgtc	2580
atcagaactc	acctttgatt	tccggattga	atcaatagtg	tgccatacag	acagtgtgct	2640
agctttctgg	aaacatggaa	tgcaaggtag	aagttttaga	tctaagagg	taacacaaga	2700
aatttcagat	agcacaagaa	ttttcaggct	gcttgatct	gacagggtcg	tggttttgga	2760
aagtaggcca	actgataaacc	ccacagcaaa	tagcaatttg	tacatcctgg	cggtcatga	2820
aaacagttac	tgagaattgt	tgtgctttga	cagttaaactc	tagaaaagaa	gaacactacc	2880
actgcaacat	taatggatgc	ttgaagctgt	acaaaagctg	cagtaacctg	tcttcagtta	2940
ctttgttaatt	tattgtggca	tgagataaga	tggggaaaat	tttgtttta	gtggtaggga	3000
tatattttagc	atattgaacc	acacaagtgc	ttaattcatt	gttatgtaat	ctttgtacat	3060
ataggcagta	ttttttctgt	gaaacttcat	attgctgaag	acatacacta	agaatttatg	3120
tagataatgt	acttttatga	gatgtacaag	taagtgtctt	atctgtacag	atgtaaagt	3180
tgatgaaaat	gcaattgggg	ttaatatattt	aagaattctt	tagtatattc	ttgggtgtgg	3240
ctatattaca	aaatgggatg	ctggcaatga	aacaatacat	ttaacactat	tgtattttta	3300
ttatatgtaa	tttagtaata	tgaatataaa	tcttgtaact	tttaaaattg	taatggaggc	3360
tgtaatcatt	ttataatctt	tttaatttta	atgcaagtac	actgggtgtt	atatttgcac	3420
agagtattga	tatgtgatgt	attaagtcac	aaaagtaagc	tgtgacattg	tctataagca	3480
tttggtcca	caaagtatt	tggtattgtt	tctatgtgaa	gcaaaccaat	tataattaac	3540
cacatgttgt	agtaactgg	ctttttatat	ttaagcagaa	tcctgtaaga	ttgcttgtct	3600
ttgcttaaaa	acaatacctt	tgaacatttt	tgaatcacag	aatagcggta	ccatgataga	3660
atactgcaat	tgtggtcaga	attacagtat	gcacaaagaa	ttaattagca	ttattaaaga	3720
gtcctcacta	aacatttcat	atgatcacac	tgaagaactg	taacattcca	tagagtgaag	3780
tggttcaaat	ttctcttgga	atttttactt	ttgttggcct	tattttatga	tccttttcat	3840
atttcttttg	acttagagta	ttaatacatg	gccaaaataa	tttagttact	acctcataca	3900
aacaatataa	tggttactac	acatcacagg	aacttagttt	tggtttaagt	catttttgat	3960
tgcttttttc	caatggaata	tgtatatacc	aggtttttagc	aaaatgcaca	cttttggtct	4020
tttttggtat	atgttcttta	tattttaatg	tgagtatata	cactaagaac	aaactaaatt	4080
gtgatttatg	atcttcattt	attttaatgg	taatggtttt	aaaatatggt	cctgattgta	4140
catattgtaa	aataaacatg	ttttttaaca	aaaaaaaaa			4179

```

<210> 6281
<211> 2441
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (64)...(2238)
<223> similar to gi5578958 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 6281
tttcgtcgcgt gagctgaagg ctgtgcggag cggcgcggca cagagcctgt tgttgagctc      60
agtatgtcgt  gggaatccgg ggccggggcca ggtctaggtt cccaggggat ggatctcgtg      120
tggagtgcgt  ggtacggaaa gtgcgttaaaa gggaaaagggt cgttgccact ctcggcccac      180
ggcatcgtgg  tcgcctggct cagcagggcc gagtgggacc aggtgacggt ttatctgttc      240
tgtgacgacc  ataagttgca gcggtacgcg cttaaccgca tcacggtgtg gaggagcagg      300
tcaggcaacg  aactccctct ggcagtggct tctactgctg acctgatacg ctgtaagctc      360
ttggatgtaa  ctggtggctt gggcactgat gaacttagac tgctctatgg catggcattg      420
gtcaggtttg  tgaatcttat ctcagagagg aagacaaagt ttgccaaagt cccctcaag      480
tgtctggctc  aagaggtaaa tattccggat tggattgttg accttcgcca tgagttgacc      540
cacaagaaaa  tgccccatat aaatgactgc cgagaggct gctactttgt cctggattgg      600
ctccagaaga  cctattggtg ccgccaactg gagaacagcc tgagagagac ctgggagttg      660
gaggagtcca  gggaagggat agaggaagag gatcaagagg aagataagaa cattgttgtt      720
gatgacatca  cagaacagaa accagagcct caggatgatg ggaaaagtac ggagtcagat      780
gtaaaggccg  atggagacag caaaggcagc gaagagggtg attctcattg caaaaaggcc      840
ctgagtcata  aagagctata tgaaagagcc cgagaactgc tggtatcata cgaagaggag      900
cagtttacgg  tgctggagaa atttaggtat ttacctaaagg ccattaaggc gtggaataac      960
ccgtcccccac gtgtagaatg tgtcctggca gagctcaagg gcgttacatg cgagaacagg      1020
gaggctgtgc  tggatgcttt tctggatgat ggcttccttg tccccacatt tgaacagttg      1080
gcagctttgc  agatagaata tgaagaaaac gtggacttga atgacgtcct ggtgccaaag      1140
ccgttctctc  agttctggca gccctgctc aggggcctgc actcccagaa cttcacgcag      1200
gccctattgg  agaggatgct ctctgaactg ccagccttgg ggatcagcgg gatccggcct      1260
acgtacatcc  tcagatggac cgttgaactg atcgtggcca acaccaagac tggacggaat      1320
gctcgccgat  tttctgcagg ccagtgggaa gcaagaaggg gctggaggct gttcaactgc      1380
tccgcctccc  ttgactggcc ccgatgggtt gagtctgct tgggctcacc ttgctgggcc      1440
agcccccac  tccttcggat catctttcaa agccatgggg cagggcttgc aagacgaggg      1500
agcaggagaa  gttgttgccg atctgttcca tttataccca gagtggagaa aacagcctgg      1560
tgcaggaggg  ctctgaggcc tccccattg ggaagtctcc atatacacta gacagcctgt      1620
attggagcgt  caagccagcc agctccagct tcgggtctga agcaaaggcc cagcaacagg      1680
aggagcaggg  cagtgttaat gatgtcaagg aagaggagaa ggaggagaaa gaggctctgc      1740
cagaccaggt  agaggaggag gaagaaaatg atgaccaaga ggaggaagag gaggatgaag      1800
atgatgaaga  tgatgaagag gaagacagaa tggaggtggg gcctttctct acagggcaag      1860
agtccccac  tgccgagaat gctaggcttc tggccagaa aagaggagct ttgcagggct      1920
ctgcatggca  ggtagctca gaagcgtgc ctatgggacac atttccccct aggccgaatg      1980
cccagggtcaa gaccgaggac cccagcagag ctcatgctgg agaattatga caccatgta      2040
atcttttgga  ccaagcctgt gcttagagca gcggctggaa ccctcaacat gcaaagactg      2100
acaccttggg  cctgaagctg tgggtgcggc agttggcaac tgcagcaaca gcagcagcag      2160
caactttcga  ggggcctttc tcttggaagc caggggaagc ttgcattggg ctccaaaact      2220
ggcctgcagc  tcttctgatt ggccatccct ggtgcaagtg ttcattccagc cgtgccaggg      2280
catctattta  tcccctagta caactgatgc tccctgagac aacctgggag acagcctgga      2340
tcagccacat  caactcagtt gtccaccaca ggggaatttt gaatgtcttt tgtttttgtt      2400
ttgttttgaa  aaataataaa caggcaactg taacaaaaaa a              2441

```

<210> 6282  
 <211> 5470  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(5471)  
 <223> n = a,t,c or g

<220>  
 <221> misc\_feature  
 <222> (27)...(4397)  
 <223> similar to gi2230888 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 6282

tttcgtgggc	tgtaggcgcc	aaggccatgt	ccgactcgtg	ggtcccgaac	tccgcctcgg	60
gccaggaccc	agggggccgc	cggagggcct	gggccgagct	gctggcggga	aggggtcaaga	120
gggaaaaata	taatcctgaa	agggcacaga	aattaaagga	atcagctgtg	cgccctcctgc	180
gaagccatca	ggacctgaat	gcccttttgc	ttgaggtaga	aggtccactg	tgtaaaaaat	240
tgtctctcag	caaagtgatt	gactgtgaca	gttctgaggc	ctatgctaata	cattctagtt	300
catttatagg	ctctgctttg	caggatcaag	cctcaaggct	gggggttccc	gtgggtattc	360
tctcagccgg	gatggttgcc	tctagcgtgg	gacagatctg	cacggctcca	gcggagacca	420
gtcaccctgt	gctgctgact	gtggagcaga	gaaagaagct	gtcttccctg	ttagagtttg	480
ctcagtattt	attggcacac	agtatgttct	cccgtctttc	cttctgtcaa	gaattatgga	540
aaatacacag	ttctttgttg	cttgaagcgg	tgtggcatct	tcacgtacaa	ggcattgtga	600
gcctgcaaga	gctgctggaa	agccatcccg	acatgcatgc	tgtgggatcg	tggtctttca	660
ggaatctgtg	ctgcctttgt	gaacagatgg	aagcatcctg	ccagcatgct	gacgtcgcca	720
gggccatgct	ttctgatttt	gttcaaatgt	ttgttttgag	gggatttcag	aaaaactcag	780
atctgagaag	aactgtggag	cctgaaaaaa	tgccgcaggt	cacggttgat	gtactgcaga	840
gaatgctgat	ttttgcactt	gacgctttgg	ctgctggagt	acaggaggag	tcctccactc	900
acaagatcgt	gaggtgctgg	ttcggagtgt	tcagtggaca	cacgcttggc	agtgtaat	960
ccacagatcc	tctgaagagg	ttcttcagtc	ataccctgac	tcagatactc	actcacagcc	1020
ctgtgctgaa	agcatctgat	gctgttcaga	tgcagagaga	gtggagcttt	gcgcggacac	1080
accctctgct	cacctactg	taccgcaggc	tctttgtgat	gctgagtga	gaggagtgtg	1140
ttggccattt	gcaagaagtt	ctggaaacgc	aggaggttca	ctggcagaga	gtgctctcct	1200
ttgtgtctgc	cctggttgtc	tgttttccag	aagcgcagca	gctgcttgaa	gactgggtgg	1260
cgcgtttgat	ggcccaggca	ttcgagagct	gccagctgga	cagcatggtc	actgcgttcc	1320
tggttgctgc	ccaggcagca	ctggaggggc	cctctgcgtt	cctgtcatat	gcagactggg	1380
tcaaggcctc	ctttgggagc	acacgaggct	acatggctg	cagcaagaag	gccctgggtc	1440
tcctgtttac	gttctttgtc	gaactcgtgc	cttttgagtc	tccccggtac	ctgcagggtc	1500
acattctcca	cccacccctg	gttcccagca	agtaccgctc	cctcctcaca	gactacatct	1560
cattggccaa	gacacggctg	gccgacctca	aggtttctat	agaaaacatg	ggactctacg	1620
aggatttgct	atcagctggg	gacattactg	agccccacag	ccaagctctt	caggatgttg	1680
aaaaggccat	catggtgttt	gagcatacgg	ggaacatccc	agtcaccgtc	atggaggcca	1740
gcatattcag	gaggccttac	tacgtgtccc	acttctctcc	cgccctgctc	acacctcgag	1800
tgctcccca	agtccctgac	tcccgtgtgg	cgtttataga	gtctctgaag	agagcagata	1860
aaatccccc	atctctgtac	tccacctact	gccaggcctg	ctctgctgct	gaagagaagc	1920

cagaagatgc	agccctggga	gtgagggcag	aacccaactc	tgctgaggag	cccctgggac	1980
agctcacagc	tgcactggga	gagctgagag	cctccatgac	agaccccagc	cagcgtgatg	2040
ttatatcggc	acaggtggca	gtgatttctg	aaagactgag	ggctgtcctg	ggccacaatg	2100
aggatgacag	cagcgttgag	atatcaaaga	ttcagctcag	catcaacacg	ccgagactgg	2160
agccacggga	acacatggct	gtggacctcc	tgctgacgtc	tttctgtcag	aacctgatgg	2220
ctgcctccag	tgtcgtctcc	ccggagaggc	aggggccctg	ggctgccctc	ttcgtgagga	2280
ccatgtgtgg	acgtgtgtct	cctgcagtgc	tcacccggct	ctgccagctg	ctccgtcacc	2340
agggcccgag	cctgagtggc	ccacatgtgc	tgggggttgg	tgccctggcc	gtgcacctgg	2400
gtgagtccag	gtctgcgtct	ccagaggtgg	atgtgggtcc	tcctgcacct	ggtgctggcc	2460
ttcctgtccc	tgcgtctctt	gacagcctcc	tgacctgtag	gacgagggat	tccttgttct	2520
tctgcctgaa	attttgtaca	gcagcaattt	cttactctct	ctgcaagttt	tcttcccagt	2580
cacgagatac	tttgtgcagc	tgcttatctc	caggccttat	taaaaagttt	cagttcctca	2640
tggtcagatt	gttctcagag	gcccagacagc	ctctttctga	ggaggacgta	gccagccttt	2700
cctggagacc	cttgcacctt	ccttctgcag	actggcagag	agctgccctc	tctctctgga	2760
cacacagaac	cttccgagag	gtgttgaaag	aggaagatgt	tcacttaact	taccaagact	2820
ggttacacct	ggagctggaa	attcaacctg	aagctgatgc	tctttcagat	actgaacggc	2880
aggacttcca	ccagtgggcg	atccatgagc	actttctccc	tgagtcctcg	gcttcagggg	2940
gctgtgacgg	agacctgcag	gctgcgtgta	ccattcttgt	caacgcactg	atggatttcc	3000
accaaagctc	aaggagtatt	gaccactcag	aaaattctga	tttggctctt	ggtggccgca	3060
caggaaatga	ggatattatt	tccagattgc	aggagatggt	agctgacctg	gagctgcagc	3120
aagacctcat	agtgcctctc	ggccacaccc	cttcccagga	gcacttcctc	tttgagattt	3180
tccgcagacg	gctccaggct	ctgacaagcg	ggtggagcgt	ggctgccagc	cttcagagac	3240
agagggagct	gctaattgtac	aaacggatcc	tcctccgcct	gccttcgtct	gtcctctgcg	3300
gcagcagctt	ccaggcagaa	cagcccatca	ctgccagatg	cgagcagttc	ttccacttgg	3360
tcaactctga	gatgagaaac	ttctgctccc	acggaggtgc	cctgacacag	gacatcactg	3420
cccacttctt	caggggcctc	ctgaacgcct	gtctgcggag	cagagacccc	tccttgatgg	3480
tcgacttcat	actggccaag	tgccagacga	aatgcccctt	aattttgacc	tctgctctgg	3540
tgtggtggcc	gagcctggag	cctgtgctgc	tctgccggtg	gaggagacac	tgccagagcc	3600
cgctgccccg	ggaactgcag	aagctacaag	aaggccggca	gtttgccagc	gatttcctct	3660
cccctgaggc	tgcctcccca	gcacccaacc	cggactggct	ctcagctgct	gcactgcact	3720
ttgcgattca	acaagtccag	gaagaaaaca	tcagggaagca	gctaaagaag	ctggactgcg	3780
agagagagga	gctattgggt	ttccttttct	tcttctcctt	gatgggcctg	ctctcgtcac	3840
atctgacctc	aaatagcacc	acagacctgc	caaaggcctt	ccacgtttgt	gcagcaatcc	3900
tcgagtgttt	agagaagagg	aagatatcct	ggctggcact	ctttcagttg	acagagagtg	3960
acctcaggct	ggggcggtct	ctcctccgtg	tggccccgga	tcagcacacc	aggctgctgc	4020
ctttcgtctt	ttacagtctt	ctctcctact	tccatgaaga	cgcggccatc	aggggaagagg	4080
ccttcctgca	tgttgctgtg	gacatgtact	tgaagctggt	ccagctcttc	gtggctgggg	4140
atacaagcac	agtttcaact	ccagctggca	ggagcctgga	gctcaagggg	caggcagggc	4200
aaccccgtag	aactgataac	aaaagctcgt	ctttttctgc	tgacgttaat	acctcggtgc	4260
ccgaaaaaga	gcttctcaca	cgtggcagag	ctgctggctg	atcgtgggga	ctgcgaccca	4320
gaggtgagcg	ccgcccctca	gagcagacag	caggctgccc	ctgacgctga	cctgtcccag	4380
gagcctcatc	tcttctgacg	ggacctgcca	ctgcacacca	gcccagctcc	cgtgtaaata	4440
atattattaca	agcataacat	ggagctcttg	ttgcactaaa	aagtggatta	caaattctct	4500
cgactgcttt	agtggggaaa	ggaatcaatt	atattatgaac	tgtccggccc	cgagtcactc	4560
agcgtttgcg	ggaaaataaa	ccactggtcc	cagagcagag	gaaggctact	tgagccggac	4620
accaagcccg	cctccagcac	caagggcggg	cagcacccctc	cgaccctccc	atgcgggtgc	4680
acacgaaggg	tgaggctgac	acagccactg	cggagtccag	gctgctagag	gtgctcatcc	4740
tcactgccgt	cctcaggtgg	gttcgggctt	caccgcctgg	ccctctgtgg	tcacagaggg	4800
gctcgggtgc	ccaggtgggtg	gttcggcctc	caggggcagg	gccttgtcct	gggtctgtgt	4860
cagcgggtgc	accatgggaca	tgtgtacatt	gaggttgtgg	gccttctcaa	accgccggcc	4920
acactggtca	caggcaaaagt	ccagctcagt	ctcagccttg	tgtttggtca	tgtggtactt	4980
gagggatgcc	cgctgcctgc	actggaaccc	acagacctca	cacctggggg	acagaggcag	5040
ataaaaagggt	gcgagggcca	cagccctggg	gggggtcctg	actcacactt	actgcaagg	5100
cttggtctccc	gaatgtcgca	tttgggtggac	gagaagggtgc	ttccgctgct	tgaaggtttg	5160
tccacattcg	tcacagatat	agttccgcac	ctctgagagg	ggagagtcca	gtgagtccag	5220
gcccctgatg	ctccaacctc	ccgggggggac	gacgatgaca	atgtgaaacc	atcacagctg	5280
ggaagacatt	tctgcacatg	gttcacccatg	cagtgggccc	aagcaagggg	cctatgaggg	5340

```
cctcgtttat taagatcttt aaactgcttt atacactgtc acgtggcttc atcagctgtg 5400
tgcatttcag gatggttttt aaagaaacct cagaaagcta tttccttaac cacaaaaanan 5460
aaaaaaaaaa 5470
```

```
<210> 6283
<211> 1913
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> (1)...(1914)
<223> n = a,t,c or g
```

```
<220>
<221> misc_feature
<222> (465)...(1794)
<223> similar to gi4580013 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters
```

```
<400> 6283
tttcgtccgg aacggcggca cgggggttgt gtgggggtca gtcccccggg gactggaggg 60
agacgcggca cgcggcctct gcgaccctat gaactctgac cccagctccc acactgtcgc 120
ctatcaccgg cccactctcc gtgccgcgtg tcccttaaaa gctggggcct gggacaggaa 180
cgacagacaa tgcagccaat ggcgtcacgc gcggtgcccc gctacccaat cgaaaggcgt 240
ggctgagggg aacgcggttg gaaccgcccc cgactccagg cgactccttg gccgggcggg 300
ggagagcgtc cccgtcagct gagagcatcc tctctcggtc agttcctcgg gcgagttacg 360
gggacgacct gcgggagcac gcgggcagtg gccggacgct gaagcccagg agagcgatgg 420
agacgtatgc ggaggttggg aaggagggca agccttctct tgcacgggtg gatctgcagg 480
gagacagctc cttacaggtg gagatttctg acgcagttag tgagcgggac aaggtgaaat 540
tactgttca aacaaagagc tgcctccctc acttcgcccc gaccgagttc tcagtctgtc 600
ggcagcacga ggagttcatc tggctgcatg atgcctacgt ggagaaatgag gactacgccg 660
gcctcatcat cccccagcc cctccgaggc cagactttga ggcttcgagg gaaaagctac 720
agaaattggg cgaggggggac agctctgtca ctccgggaaga gtttgccaag atgaagcagg 780
agctggaagg nagtacctgg ccatctttaa gaagacagtt gcgatgcacg aagtctttct 840
gcagcgcttg ggcggccccc cccaccctgc gtcgagacca caacttcttt gtgttttttg 900
gaatatggga caggatctga gtgtccgggg gaaggaacag gaaggagctc ctccggagggt 960
ttctgagggg tattgttgaa gttccgcgga tgaagccctc atcacgggca tgtcagggct 1020
caaggagggt gatgacttct ttgagcatga gaggacaaac ctggttgagt atcacaccgg 1080
tatccgagat gcctgcctgc ggccgaccng tcatgcggcc cacaagtgtc cgaggggccc 1140
aaggggtcct ggatccccct gccctctctc ccagcgggtc aactccttgg gggagagaag 1200
agagcaggggc naggccttgt gtttgtctgt ggccacaagc accaaggctt gacatgcaga 1260
tgtaggggct ctgatggggg ctgttcccca acaggccttg cagacgatta tatccctatc 1320
tcagctgcgc tgagcagttc gggaacacag gaagtcaacc agctaaggac gagcttctctc 1380
aaattggcag agctctttga acggctgagg aagctggagg gccgggtggc ttccgatgag 1440
gacctgaagc tgtcagacat gctgaggtac tacatgcgtg actcacaggc agccaaggac 1500
ctgctgtacc ggcggctgcg ggcactggcc gactacgaga atgccacaa ggcgctggac 1560
aaggcgcgca ccaggaaccg ggaggtgcgg cccgccgaga gccaccagca gctgtgctgc 1620
caacgcttcg agcgctctc cgactccgcc aagcaagagc tcatggactt caagtcccgc 1680
cgggtctcct cttttcgaaa gaatctcatt gagctggcag agctggagct caaacacgcc 1740
```

aaggccagca	ccctgattct	ccggaacacc	cttgttgccc	taaaggggga	gccttagagt	1800
agccagagct	cagccaggcc	ctaattctggg	atctccagtg	accagggtat	cccagacccc	1860
tctctccggc	aagatgtctc	cttccctagc	agtgccacta	gccacactgt	att	1913

<210> 6284  
 <211> 750  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (47)...(681)  
 <223> similar to gi206543 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 6284						
gctgcgcttc	cctgggtcagg	cacggcacgt	ctggctggcc	gccaggatgc	aggccccgca	60
caaggagcac	ctgtacaagt	tgctgggtgat	tggcgacctg	ggcgtgggga	agaccagtat	120
catcaagcgc	tacgtgcacc	agaacttctc	ctcgcactac	cgggccacaa	tcggcggtgga	180
cttcgcgctc	aaggtgctcc	actgggaccc	ggagactgtg	gtgcgcctgc	agctctggga	240
tatcgcaggt	caagaaagat	ttggaaacat	gacgagggtc	tattaccgag	aagctatggg	300
tgcatTTatt	gtcttcgatg	tcaccaggcc	agccacattt	gaagcagtgg	caaagtggaa	360
aaatgatttg	gactccaagt	taagtctccc	taatggcaaa	ccggtttcag	tggttttggt	420
ggccaacaaa	tgtgaccagg	ggaaggatgt	gctcatgaac	aatggcctca	agatggacca	480
gttctgcaag	gagcacggtt	tcgtaggatg	gtttgaaaca	tcagcaaagg	aaaatataaa	540
cattgatgaa	gcctccagat	gcctgggtgaa	acacatactt	gcaaatagag	gtgacctaata	600
ggagtctatt	gagccggacg	tcgtgaagcc	ccatctcaca	tcaaccaagg	ttgccagctg	660
ctctgggctg	tgccaaaatc	ctagtaggca	cctttgctgg	tgtctggtag	gaatgacctc	720
attgttccac	aaattgtgcc	tccaatttta				750

<210> 6285  
 <211> 1583  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (51)...(1038)  
 <223> similar to gi642942 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 6285						
acgatttcgt	gaaaaacacc	ctgtttcctc	tccggccccc	accgcggatc	atgtaccagg	60

attatcccgg	gaactttgac	acctcgtccc	ggggcagcag	cggtctctct	gcgcacgccg	120
agtctactc	cagcggcggc	ggcggccagc	agaaattccg	ggtagatatg	cctgggtcag	180
gcagtgcatt	catccccacc	atcaacgcca	tcacgaccag	ccaggacctg	cagtggatgg	240
tgcagcccac	agtgatcacc	tccatgtcca	acccataccc	tcgctcgcac	ccctacagcc	300
ccctgccggg	cctggcctct	gtccctggac	acatggccct	cccaagacct	ggcgtgatca	360
agaccattgg	caccaccgtg	ggccgcagga	ggagagatga	gcagctgtct	cctgaagagg	420
aggagaagcg	tcgcatccgg	cgggagagga	acaagcttgg	ctgcagccaa	gtgccggaac	480
cgacgccggg	agctgacaga	gaagctgcag	gcggagagca	catgagggtg	aggatgagga	540
gtcaggccct	gcagaacgac	attgctgagc	tgcaagaagg	agaaggagaa	gttggagttc	600
atgttggtgg	ctcacggccc	aagtgtgcaa	agattagccc	cgaggaggcg	ccgatcgccc	660
ccagccgcct	tgctgcagcc	catgcgcagt	gggggtggct	cggtgggcgc	tgtagtgggtg	720
aaacaggagc	ccctggaaga	ggacagcccc	tcgtcctcgt	cggcggggct	ggacaaggcc	780
cagcgctctg	tcatcaagcc	catcagcatt	gctgggggct	tctacggtga	ggagcccctg	840
cacaccccca	tcgtggtgac	ctccacacct	gctgtcactc	cgggcacctc	gaacctcgtc	900
ttcacctatc	ctagcgtcct	ggagcaggag	tcacccgcat	ctccctccga	atcctgctcc	960
aaggctcacc	gcagaagcag	tagcagcggg	gaccaatcat	cagactcctt	gaactccccc	1020
actctgctgg	ctctgtaacc	cagtgcacct	ccctccccag	ctccggaggg	ggtcctcctc	1080
gctcctcctt	cccagggacc	agcaccttca	agcgtccag	ggccgtgagg	gcaagagggg	1140
gacctgccac	cagggagctt	cctggctctg	ggggacccag	gtgggactta	gcagtgagta	1200
ttggaagact	tgggttgatc	tcttagaagc	catgggacct	cctccctcat	tcattcttgca	1260
agcaaattccc	atttcttgaa	aagccttgga	gaactcgggt	tggtagactt	ggacatctct	1320
ctggcttctg	aagagcctga	agctggcctg	gaccattcct	gtccctttgt	taccatactg	1380
tctctggagt	gatggtgtcc	ttccctgccc	caccacgcat	gctcagtgcc	ttttggtttc	1440
accttccctc	gacttgaccc	tttccctccc	cagcgtcagt	ttcactccct	cttggttttt	1500
atcaaatttg	ccatgacatt	tcatctgggt	ggtctgaata	ttaaagctct	tcattttctgc	1560
aaaaaaaaaa	gtcgacgcgg	cgc				1583

<210> 6286

<211> 2340

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (94)...(2121)

<223> similar to gi4753778 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 6286

tttcgtccgc	cctgtaggcc	cgcctctcca	gcaacctgac	acctgcgccg	cgcccccttca	60
ctgcgttccc	cgccccctga	gcggccacag	tggtgcggcc	ggcggccgag	cgttctgagt	120
cacccgggac	tggaggtagg	aaccagacca	tggtgaacga	agccagagga	aacagcagcc	180
tcaacccttg	cttgaggggc	agtgccagca	gtggcagtga	gagctccaaa	gatagttcga	240
gatgttccac	cccgggcctg	gaccccgagc	ggcatgagag	actccgggag	aagatgaggc	300
ggcgattgga	atctggtgac	aagtggttct	ccctggaatt	cttccctcct	cgaactgctg	360
agggagctgt	caatctcatc	tcaaggtttg	accggatggc	agcagggtggc	cccctctaca	420
tagacgtgac	ctggcaccca	gcaggtgacc	ctggctcaga	caaggagacc	tcctccatga	480
tgatcgccag	caccgccgtg	aactactgtg	gcctggagac	catcctgcac	atgacctgct	540
gccgtcagcg	cctggaggag	atcacgggcc	atctgcacaa	agctaagcag	ctgggcctga	600
agaacatcat	ggcgtgcg	ggagacccaa	taggtgacca	gtgggaagag	gaggagggag	660

gcttcaacta	cgcagtggtac	ctggtgaagc	acatccgaag	tgagtttgg	gactactttg	720
acatctgtgt	ggcaggttac	cccaaaggcc	accccgaagc	agggagcttt	gaggctgacc	780
tgaagcactt	gaaggagaag	gtgtctgcgg	gagccgattt	catcatcacg	cagcttttct	840
ttgaggctga	cacattcttc	cgctttgtga	aggcatgcac	cgacatgggc	atcacttgcc	900
ccatcgtccc	cgggatcttt	cccatccagg	gctaccactc	ccttcggcag	cttgtgaagc	960
tgtccaagct	ggaggtgcc	caggagatca	aggacgtgat	tgagccaatc	aaagacaacg	1020
atgctgccat	ccgcaactat	ggcatcgagc	tggccgtgag	cctgtgccag	gagcttctgg	1080
ccagtggctt	ggtgccaggc	ctccacttct	acaccctcaa	ccgcgagatg	gctaccacag	1140
aggtgctgaa	gcgcctgggg	atgtggactg	aggaccccag	gcgtccccta	ccctgggctc	1200
tcagcgccca	ccccaaagcg	cgagaggaa	atgtacgtcc	catcttctgg	gcctccagac	1260
caaagagtta	catctaccgt	accagaggat	gggacgagtt	ccctaacggc	cgctggggca	1320
attcctcttc	ccctgccttt	ggggagctga	aggactacta	cctcttctac	ctgaagagca	1380
agtcccccaa	ggaggagctg	ctgaagatgt	ggggggagga	gctgaccagt	gaagaaagcg	1440
tctttgaagt	ctttgttctt	tacctctcgg	gagaaccaa	ccggaatggt	cacaaagtga	1500
cttgccctgcc	ctggaacgat	gagcccctgg	cggctgagac	cagcctgctg	aaggaggagc	1560
tgctgcgggt	gaaccgccag	ggcatcctca	ccatcaactc	acagcccaac	atcaacggga	1620
agccgtcctc	cgaccccatc	gtgggctggg	gccccagcgg	gggctatgtc	ttccagaagg	1680
cctacttaga	gttttttact	tcccgcgaga	cagcggaaagc	acttctgcaa	gtgctgaaga	1740
agtacgagct	ccgggttaat	taccaccttg	tcaatgtgaa	gggtgaaaac	atcaccaatg	1800
cccctgaact	gcagccgaat	gctgtcactt	ggggcatctt	ccctgggcga	gagatcatcc	1860
agcccaccgt	agtggatccc	gtcagcttca	tggtctggaa	ggacgaggcc	tttgccctgt	1920
ggattgagcg	gtggggaaag	ctgtatgagg	aggagtcccc	gtcccgcacc	atcatccagt	1980
acatccacga	caactacttc	ctggtcaacc	tggtggacaa	tgacttccca	ctggacaact	2040
gcctctggca	ggtggtggaa	gacacattgg	agcttctcaa	caggcccacc	cagaatgcga	2100
gagaaaacgga	ggctccatga	ccctgcgtcc	tgacgccctg	cgttggagcc	actcctgtcc	2160
cgcttctctc	ctccacagtg	ctgcttctct	tgggaactcc	actctccttc	gtgtctctcc	2220
caccccggcc	tccactcccc	cacctgacaa	tggcagctag	actggagtga	ggcttccagg	2280
ctcttctctg	acctgagtcg	gccccacatg	ggaacctagt	actctctgct	ctaaaaaaaa	2340

<210> 6287  
 <211> 1156  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(1157)  
 <223> n = a,t,c or g

<220>  
 <221> misc\_feature  
 <222> (1102)...(484)  
 <223> similar to gi5565870 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 6287						
tttttttttt	ttgtcgccac	agcagcggac	acgtttaatg	gcaggcgcct	ctacagttac	60
aagacatgcc	tgaggctcagt	tcgccccctt	agggggcact	ccccgagcta	aacacagatg	120
acagcgaccc	aggggtgctgg	aggcccgggg	tcacctgagg	actgcagaag	tcctgcgctc	180
cgctaactgt	gtggacacgc	ggctgccagg	ggcacaggta	ggcaacatgg	atgggaagag	240



agcccaggcc	gccccgtct	cacagctgca	gagcacgcag	accacggcac	tgcaggccaa	300
ccaggcagag	ctgctggtgc	gacacatcct	ggggctgggc	tggtcgggga	gaagctctcc	360
ggctgacgct	gcctgggcct	gccccctgcag	ggcccgggaa	ccgagcccag	gcctctgttt	420
ctctgagagg	ctggagcaga	gcccttggtg	gccctggaaa	gcggctgcaa	ggtggcctta	480
gtcaggggag	gcacgcgggc	gtcgcgtcca	gaatcttctg	ggctatggag	gtgagtgcag	540
cgaaggcggg	gctcccaggg	aactcctgga	tgaagtcgtg	gccctcctcc	agggtcctca	600
tgagcgcagg	gtccaggggc	acggagccta	agaagggcac	cccggcgagc	tgggccagct	660
cctctccgcc	gccccctggag	aagacgctgg	tgcactccgt	gcagtgtggg	cagggtgaagc	720
cgctcatatt	ctccacgatt	cccatcaccc	gcaagcccgt	cttcctacag	aaggtcagct	780
cgcgcctcac	gtcccccacg	gacaccgcct	ggggcggtgt	gaccacgagg	gccccagggg	840
gctggtaggg	acgcagggct	tctatggtgg	ccatgtgctc	atcggagggtc	cccgggggcg	900
tgtccaccac	caggtagtcc	agctcccccc	aggccacgtc	ggacacaaac	tgttttatca	960
gcgcttcttg	cctgcatggc	gcagtgccag	ggccagctcc	gtggagatgg	tgtttttccc	1020
aacgcccccc	tttcttgaga	ggaccaggat	gatgtgcctg	acgccggcca	ggtttccagg	1080
cntgccggcg	cctccatccc	gccgcctcca	ggagctcgng	gctgcacgtc	cttaccgcg	1140
gccgtcagcc	tcccag					1156

<210> 6288  
 <211> 4379  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <221> misc\_feature  
 <222> (212)...(3470)  
 <223> similar to gi3327146 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 6288						
gaatcctggt	cgacgattcc	cgccctttcca	gcatgcaggg	gctgctcagg	taagggggac	60
gctcctcctt	gcccgcgcga	ctcattcatt	aagtggcact	gctcagtggg	gcgggggtgg	120
gcgtgcttcc	gtgggctggg	cgctgggttc	gcggcgcgcc	ctcctgctgc	ctccccggag	180
ctcccgggcc	agtagcgttt	agtcacatca	agaaatagaa	cagaattcag	ccatggcccc	240
aagaaagaga	ggtggacgag	gtatttcatt	catcttttgc	tgtttccgaa	ataatgatca	300
cccagaaatc	acgtatcggc	tgcgaaatga	tagcaacttt	gcgcttcaga	ccatggaacc	360
agcattgccc	atgccccctg	tggaggagct	ggatgtcatg	ttcagtgaac	tgggtgatga	420
actggacctc	acagacaaac	acagagaagc	catgtttgca	cttcagctg	agaaaaaatg	480
gcaaataac	tgtagcaaga	aaaaggacca	ggaagaaaac	aaggagagct	caagttggcc	540
tgaattctac	attgatcagc	tcaattccat	ggctgctaga	aatctctgc	tggctttaga	600
gaaggaagaa	gaagaagaaa	gaagtaaaac	tatagagagt	ttaaagacag	cactgaggac	660
aaaaccaatg	aggtttgtaa	ccagattcat	cgacttggat	ggcctatcat	gtatcctcaa	720
ctttctaaag	accatggact	acgagacctc	agagtctcga	atacatactt	ctctcattgg	780
ctgtataaaa	gcgttaaatga	acaactctca	aggccgggct	cacgtcctgg	ctcattctga	840
gagtattaat	gtaattgctc	agagtctgag	cacagagaac	attaaaacga	aggtggccgt	900
gctggaaatc	ttgggcgcgc	tgtgcctggt	tcccgggggc	cacaagaagg	ttctgcaggc	960
catgctgcac	taccagaagt	atgccagcga	aaggaccgcg	tttcagacat	taattaacga	1020
cttgataaaa	agcactgggc	ggtatcgaga	tgaagtgagt	ctcaagactg	ccatcatgtc	1080
cttcattaat	gcagtgtctc	gccaaaggtgc	aggagtggag	agtttggact	ttagacttca	1140
tcttcgctat	gaaatttctg	atgttaggaa	ttcacccctgt	aatggataaa	ttaaggaaac	1200
acgaaaattc	aacattagat	aggcathtag	acttttttga	aatgctccga	aatgaagatg	1260

aactagaaatt	tgccaaaaga	tttgaactgg	ttcacataga	cacaaaaagt	gcaactcaga	1320
tgtttgagct	gaccaggaag	aggctgacac	atagtgaaagc	ttacccgcgt	ttcatgtcca	1380
tcctgcacca	ctgcctccaa	atgccttaca	agaggagtg	caacactgtt	cagtactggc	1440
tactactaga	tagaattata	cagcagatag	ttatccagaa	tgacaaaagga	caggaccctg	1500
actccacacc	tttggaaaac	tttaatat	agaatgtcgt	acgaatgttg	gttaatgaaa	1560
atgaagttaa	gcagtggaaa	gaacaagcgg	aaaaaatgag	aaaagagcac	aatgagctac	1620
aacagaaaact	ggaaaagaaa	gaacgagaat	gtgatgctaa	gactcaagag	aaggaagaga	1680
tgatgcagac	cttaaataaa	atgaaagaga	aacttgaaaa	ggagactact	gagcataagc	1740
aagtcaagca	gcaggtggcg	gacctcacag	cacagctcca	tgagctcagc	aggagggccg	1800
tctgtgcttc	aatcccaggt	ggaccctcgc	ctggagcacc	aggagggccc	tttccttcct	1860
ctgtgcctgg	atctctcctt	cctcccccac	cacccccacc	tctaccaggt	gggatgcttc	1920
ccctccacc	gctccccc	cctccagggtg	gccctcctcc	tccccagggtg	cctcctccct	1980
taggggcaat	catgccacct	cctgggtgctc	caatgggcct	agcactgaag	aagaaaagca	2040
ttcctcagcc	cacaaatgcc	ctgaaatcct	tcaactggtc	taaactgccc	gagaacaaac	2100
tggaaggaac	agtatggacc	gaaattgatg	atacaaaagt	cttcaaaatt	ctagatcttg	2160
aagaccctgga	aagaaccttc	tctgcctatc	aaagacagca	ggatttcttt	gtgaacagta	2220
actccaagca	gaaagaagca	gatgccattg	atgacactct	gagttccaaa	cttaaagtta	2280
aagagctttc	ggtgattgat	ggtcggagag	ctcagaattg	caacatcctt	ctatcgaggt	2340
tgaattatc	caatgacgaa	atcaaacggg	caattctaac	aatggacgaa	caggaagatc	2400
tgcccaagga	catgttggaa	cagctcttga	aatttgttcc	tgaaaaaagt	gacattgacc	2460
tattggagga	acataaacat	gaactggatc	ggatggccaa	ggctgatagg	ttcctttttg	2520
agatgagccg	aattaatcac	tatcagcaaa	ggttgcaatc	gctgtacttc	aaaaagaagt	2580
ttgcagagcg	tgtggcagaa	gtgaaaccta	aagtggaaagc	aattcgtttc	ggctcagaag	2640
aggtgtttag	gagtggtgcc	ctcaagcagt	tgctggaggt	ggttttggca	tttggaaatt	2700
atatgaataa	aggtcaaaga	gggaatgcat	atggattcaa	gatattctagc	ctaaacaaaa	2760
ttgctgacac	aaaatccaagc	atcgacaaaa	acattaccct	tttgactat	ctcatcacta	2820
ttgtggaaaa	taagtacccc	agtgttctca	atctaaatga	agaattgcga	gatattcctc	2880
aagctgcgaa	agtaaacatg	actgagctgg	acaaagaaat	aagtaccttg	agaagtggct	2940
tgaagcagct	agagacagag	ctggaatatc	agaagtctca	gccccacag	ccggagata	3000
agtttgtgtc	tgttgtcagc	cagttcatca	cagtagccag	cttcagcttc	tctgatgttg	3060
aagaccttct	agcagaagct	aaagacctgt	ttactaaagc	agtgaagcac	tttggggaag	3120
aggctggcaa	aatacaacca	gatgagttct	ttggcatttt	tgatcaattt	cttcaagctg	3180
tgtcagaagc	caaacagaaa	aacgaaaata	tgagaaagaa	aaaggaggaa	gaagaacgtc	3240
gagctcgcat	ggaagctcag	ctcaaaagac	aacgtgaaag	ggaacgtaaa	atgagaaaag	3300
ctaaagagaa	tagtgaagaa	agcggagagt	ttgatgacct	tgtttcagct	ttacgtcag	3360
gagaagtgtt	tgacaaaagac	ctttctaaat	tgaaacggaa	tcgcaaacgt	attaccaacc	3420
agatgactga	cagcagcaga	gagagaccaa	tcacaaaact	taatttctaa	ttttccatga	3480
atactttttt	ttagaaaagct	cattagcagc	cctctaaagt	gactagaacg	tttcattaca	3540
ctgccttgca	atccaaacag	tggcaatttt	ttccttcac	tgtgagtga	tgtgtgaacg	3600
tgtgtatgta	aatgtatgtg	tgtatatatt	aaaaaatgta	tatagatgtc	tgagtgttgt	3660
ctggagacct	atacgtatgg	ttaaaaagat	ttatgttaat	gtatgtgtc	caaaaccttt	3720
cgtgtatgca	ttcacattga	gtgtggctca	ttttctttcc	ccgaacgcca	tgactgttca	3780
gaagcacaat	actatctcct	gaaagagata	agagacattc	cctagattca	aaggcaaaac	3840
agaagaaaaca	aacaaacaaa	caaacaaagc	ttgcaaaata	ttttatgggt	tccaagcttg	3900
atatccttta	aaattatttt	cattgatgga	actggagttg	ttggaaaaac	atagatttaa	3960
aatgattttt	gatagctgac	atttgtatgt	tgatgtatca	catcagtaaa	taggaccagc	4020
tttgaatttc	tgacatttgt	gtggggatac	agtctgtaaa	tgttttattga	gaaccatctt	4080
gcacacaatt	tgaattatgt	agaattgtca	tcaagttttt	gbatatatta	aaagttggac	4140
atacaatttt	tcccctgatt	tcataccaag	tatctctgcc	aagtgctctt	gataatttct	4200
tcagattttt	ggaaaaaaac	actataataa	vtgcawtcca	tgcttttttt	aaagaacaac	4260
attgccagag	tatgcttggt	ctaacaatat	agatatataa	accttaaaaa	taataaaaata	4320
tctcacccaa	gacttaaagg	aagaattctc	tgaaggata	aaqattacta	aaaaaaaaaa	4379

<210> 6289  
 <211> 1596  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <221> misc\_feature  
 <222> (706)...(186)  
 <223> similar to gil825739 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 6289  
 tcgtgccggt gaaagtttgc tatttattta gtcttagaaa aacactgaaa gaaaaaggca 60  
 ggaaatgtag tacgcagtgt ggaagaatgg agctggccac atgtagtttt agcagctgca 120  
 gaggaaactg gctgagtcta aggttacata tttctgctca gtaagggtat ccatgggtgat 180  
 aactctcatg atgacggtag tcatcctggt aaccatcctg ttctgtttta cctccttttt 240  
 tcttcttgct cttctctttc tcttgcttgc tctttttctc agacttcttc atttgctttt 300  
 cactcttaag taacttgtct gcgttctcat tcttcatctt ttttttcttc tccttctctg 360  
 gtttctcaag cttttcatgc tttttagact cctttgcttt tttaagggga acattcccca 420  
 cctgcagctc gtcctccagc tgagaggcag taggccggct gaggtcatac ttctcctcat 480  
 actcattact aagaattttg tcctgggcct tctttttggg aggtttctcc ttgctggct 540  
 tgggaggacc tggcaccaca tttgggtctc ggtggccatg ttcccgctc tccatgcggt 600  
 tgtcccgaa acggcctggg ccagcagccc ttgtgctggg ttctgagatg gtggtgggag 660  
 gggcatttgt gaagctctcc aagctggtgg ccttgctggg cctcctgggt gtctgtggcc 720  
 tctccctgtg ctgaccttcc cgggatggag ggtaaagatt ctctgaaact gaggggtctcc 780  
 tggcagtgat caccctcagt gttgtagggg gcctgtggga gggtagggg gtccagggcc 840  
 tctgcgtggt gggaaaaggca gtggtggtca taggtcttgc agcaactgtt accgcccggg 900  
 acgtggaccg agtcactgtt gtggtggtgg caggagggaag ggtggtggct ctgggggttg 960  
 agggagggtt gggcaaagct ggtgcagtgg cggccagttt tctcaggacc ttcacccgac 1020  
 tctctctggt tgggtgggact tgtgctctcc ttgggtcttc tttcttcttc tcgctgcca 1080  
 ggcttggcct tcctgctccc cctccaccgt cattcccctc cgccaccacc tggccctcta 1140  
 caccagaggc cttacatttc tggacaaagc ctttctgcct gatcttctcg atcctacgga 1200  
 tggggccttg gtcgatgacc tcgtacatgg cttccagcct aacgggatat ggatagcgct 1260  
 cctccacctg cagcgtcttc ttcagcagca ccatgccaaa cttgcccttc tccagcttca 1320  
 ggaagctcat cagcttaggg atgaggctag ggtccagggg ctgctccagg atctggccct 1380  
 cgctggtgat ccttctcacc ttgcctcctt cctcacctgc ctggtggaag agcacaatct 1440  
 gttggatgtg cctctccgcc agctcacagt acacatcgtc cttcagcagg ctcatcatga 1500  
 ggcggtagta gccttccgag gcatgagggg ctgagatgac ccatactctg tccttgccag 1560  
 ctttcgcacg agtggcgtct cctcccaagg gctcca 1596

<210> 6290  
 <211> 2526  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <221> misc\_feature  
 <222> (216)...(1361)  
 <223> similar to gi4914573 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

```

<400> 6290
tttcgtctgc ggagaccgtc cgcctggctc gcccagagctc gcccgtctgc cgccagcccg 60
cgggagggag gagagaagcg aagcgtttcc gcggttggtc actcagtgtc ttggtctcaa 120
gttgccctcat tgcggctggc gttcccaata cagacgcata gtttcttttt taatactccc 180
taagaaaggg aataaccttc aagctggcgg gagcaatggg tcacataaaag aaaggcgagc 240
tgacccagga ggagaaggag ctactggaag tcatcgggaa aggtactgtc caagaagctg 300
gaacattatt atccagcaag aatgttcgtg tcaactgttt ggacgagaat ggaatgactc 360
ctctaattgca tgcagcatat aaaggaaaac tggatatgtg caaattacta ctgagcatg 420
gagccgatgt aaattgtcat cagcatgaac atggatacac agccctcatg tttgctgcac 480
tttctggtaa taaagacatc acatgggtaa tggtagaagc tgggtgctgag acagatgttg 540
tcaactctgt gggaagaaca gcagctcaga tggcagcctt tgtgggtcaa catgattgtg 600
tgaccataat caacaatttc tttcctcgag agagactgga ttattacact aagccccagg 660
gactggataa agagccaaaa ctgcccccaa agttggcagg cccgctgcac aaaattatca 720
ccacaacgaa tcttcatcct gtcaagatcg tgatgcttgt aaatgagaat cctctgctga 780
cagaagaagc agccctgaat aaatgctaca gagtgtatgga tttgatttgt gagaaatgta 840
tgaagcaaag agacatgaat gaagtattgg ctatgaagat gcattacata agctgtatct 900
ttcagaaatg cattaacttc ttaaaagatg gagagaataa actggacacc ttgatcaaaa 960
gcttggttaa aggcccagc tttctgatggc tttccagtgt atccagaaaa gatccttaga 1020
gaaagtatca gaaaaattcc ctactgtga agctacactc ctccagcagc tgggttcgaag 1080
cattgctcct gttgaaattg gttctgatcc cactgcattc tccgtcctta cccaagccat 1140
cactggccag gtgggttttg tggatgtgga attttgcact acctgtggag aaaagggagc 1200
aagtaaaaga tggttcagttt gcaaaatggg aatatattgt gatcaaacct gccagaaaaac 1260
acactggttt actcataaga aaatctgtaa gaatctgaag gacatttacg aaaagcaaca 1320
gttgagggtt gccaaagaaa agagacaaga ggaaaaccac ggcaaacttg atgtcaattc 1380
taactgtgtt aatgaagagc aaccagaggc tgaagtaggt atctctcaaa aggattccaa 1440
tctgaagat tccggggaag gaaagaaaga atctcttgaa agcgaagctg agttggaagg 1500
cttacaggat gtccttcag ggccacaggt gtctgaggag taaaagccag agcaagtgcc 1560
agtgtggatg gtcctcacc tgcaagaagc tggaaaactc ctagggaatgc attgtcctca 1620
ccttggtata cctgcgtggc accatggcag gattccacat ttcatagaat acagggtttc 1680
aagcaaaccc ctggtgacca tgccctaatt tcctattgat ttctgttgta taattgaatg 1740
gatattccta tggaaaattt tttgtttcaa aatacaggaa aaacattcct attacctttc 1800
tgaggctggc tttccagcaa ttgtttcaaa ggaaaataga tccccttaaa gaaaaaatac 1860
aggctttagg gaacaaaggg acaagcagaa cagggtgtgga agagagattt tcaggaaggg 1920
aaaaatttat agctacagag ggtagttaga aaaatcataa cttatatgtg aataaaatac 1980
atataagcag catttacggg agtggcattc tacttattaa gatgcaatga aatgaagaaa 2040
ggctttatgt tcaaggacct ttgccatagt tcagctaatt gtagttttat atagaaatga 2100
tcttgaacac tctgaacttg acgtagtcct gcggtgatat tctatctgca gtatttgtac 2160
ctccagaatg gcagatccct cagcaggaac aaaggcataat tgacggttct ctcagcgtat 2220
gcattaaaaa aggtacttcc tgaaactttt gattcaataa tgactaaaca tactatgtac 2280
acaattactg taaggctaatt tcacgtgcca tactccacct gaaagcctga gttatcttgc 2340
tataagcttt tcatggagca cttcctttcc agaaaactgat ttgtaactca tttagagaat 2400
gtcctggcgt cgggtttttag catatgtggt atttaaacag agctagaatg tgatgtctga 2460
agataatgct gcatttctgg gtttcttgtg tggattttta aataaattgt gcctacaaat 2520
ataaac
2526

```

```

<210> 6291
<211> 5840
<212> DNA
<213> Homo sapiens

```

<220>  
 <221> misc\_feature  
 <222> (398)...(4178)  
 <223> similar to gi2204213 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 6291

cgcgccctg	ccgcggcccc	tagctcgcg	ctcagctccc	tcccccttcc	gggcaggccc	60
gtcccgtcag	caaggcagtg	agcaccgcgg	ccagcagagg	gcgggtccgga	cccaagtctg	120
cagcggcgcc	attggcgtgt	ggaaaatgcc	accagatggc	gggttaggat	tgcagctccg	180
ttgaaggcgc	ggcccccgct	cccgaacccc	cggcgaccac	cccgtaacaa	cccccccaca	240
tcgggaataa	cacaccggag	acttttgggg	ggaaactagg	tcgatgggtcg	gcggcgccccg	300
gatgggcagc	tgaggattgc	ctttgaggtt	attttaaaag	ttttgagttg	tacagcactt	360
gattattttg	ctgcattgtg	aaaggacctc	tccagcaatg	attacttcag	aattaccagt	420
gttacaggat	tcaactaatg	aaactactgc	ccattccgat	gctggcagcg	agcttgaaga	480
aacagaggtc	aaaggaaaaa	gaaaaagggg	tcgtcctggc	cggcctccat	ctacaaataa	540
gaaacctcga	aatctccag	gtgagaagag	cagaattgaa	gctggaatta	gaggagcagg	600
ccgtggaaga	gctaattggac	accctcaaca	gaatggggaa	ggggagcctg	tcacattatt	660
tgaggtggtg	aaactgggga	aaagtgcaat	gcagtcctgt	gtggatgact	ggattgaatc	720
atataaacia	gacagggaca	tcgcacttct	ggatttaatc	aactttttta	tccagtgttc	780
aggatgtcga	ggtactgtga	gaatagagat	gtttcgaat	atgcagaatg	cagaaatcat	840
cagaaaaatg	actgaagaat	ttgatgagga	cagtgggtgat	tatcctctta	ccatgcctgg	900
acctcagtg	aaaaaatctt	gttcaactt	ttgtgaattt	attggagtc	tgattcgaca	960
gtgtcagtat	agcataattt	atgatgagta	tatgatggac	acagtaatct	cccttttgac	1020
gggtttgtca	gactcccagg	tcagagcttt	taggcataca	agtaccctgg	ctgccatgaa	1080
gctcatgact	gctctggtga	atgttgccct	aaacctcagt	attcatcagg	ataataccca	1140
gaacaatat	gaagccgaga	gaaataaaat	gattgggaag	agagccaatg	aaaggttgga	1200
gttactactt	cagaaaacgca	aagagctgca	agaaaatcag	gatgaaatcg	aaaatatgat	1260
gaactctatt	tttaagggta	tatttgttca	tagatacccg	tgatgctatt	gctgagatta	1320
gagccatttg	tattgaaaga	aattggagta	tggatgaaaa	tgtatagtga	tgcccttcta	1380
aatgacagtt	acctaaaata	tgttggtgg	actcttcacg	acaggcaagg	ggaagtcagg	1440
ctgaagtgtt	tgaaagctct	gcagagtcta	tataccaata	gagaattatt	ccccaaattg	1500
gaactattca	ctaaccgatt	caaggatcgc	attgtatcaa	tgacacttga	taaagaatat	1560
gatgttgctg	tggaagctat	tcgattgggt	actctgatac	ttcatggaag	tgaagaagct	1620
ctttccaatg	aagactgtga	aaatgtttac	cacttggtgt	actcggcaca	tcgccctggt	1680
gctgtggcag	ctggagagtt	ccttcacaaa	aagctattta	gcagacatga	cccacaagca	1740
gaagaagcat	tagcaaagag	gaggggaaga	aacagcccga	atggaaacct	cattaggatg	1800
ctggttcttt	tctttcttga	aagtgagtta	catgaacatg	cagcctactt	tggtggacag	1860
tttatgggag	agctctcaag	aactgttgaa	agactgggaa	tgtatgacag	agttgctatt	1920
agaagaacct	gttcaaggag	aggaagcaat	gtctgatcgt	caagagagtg	ctcttataga	1980
gctaattggt	tgtacaattc	gtcaagctgc	tgaggcacat	cctccagtg	gaaggggtac	2040
cggcaagaga	gtgctaactg	ccaaagaaa	gaaaactcaa	attgatgata	gaaacaaatt	2100
gactgaacat	tttattatta	cacttccat	gttactgtca	aagtattctg	cagatgcaga	2160
gaaggtagca	aacttgctac	aaatcccaca	gtattttgat	ttagaaatct	acagcacagg	2220
tagaatggaa	aagcatctgg	atgctttatt	aaacagagtt	aagtttggtg	tggagaaaaca	2280
cgtagaatca	gatgttctag	aagcctgcag	taaaacctat	agtatcttat	gcagtgcgaag	2340
aatataccat	ccagaacaga	gttgacatag	ctcgaagcca	gctgattgat	gagtttgtag	2400
atcgattcaa	tcattctgtg	gaagacctat	tgcaagaggg	agaagaagct	gatgatgatg	2460
acatttaca	tgttctttct	acattaaagc	ggttaacttc	ttttcagaat	gcacatgatc	2520
tcacaaaatg	ggatctcttt	ggtaattgct	acagattatt	gaagactgga	attgaacatg	2580
gagccatgcc	agaacaggta	gtcgtgcaag	cactgcagtg	ttcccattat	tcgattcttt	2640
ggcagttggt	gaaaattact	gatggctctc	cttccaaaga	ggatttggtg	gtattgagga	2700
aaacggtgaa	atcctttttg	gctgtttgcc	agcagtgcc	gtctaattgt	aatactccag	2760

001210"012100

tgaaagaaca	ggctttcatg	ttactctgtg	atcttctgat	gatttttcagc	caccaattaa	2820
tgacaggtgg	cagagagggc	cttcagcctt	tggtgttcaa	tccagatact	ggactccaat	2880
ctgaactcct	cagttttgtg	atggatcacg	tttttattga	ccaagacgag	gagaaccaga	2940
gcatggaggg	tgatgaagaa	gatgaagcta	ataaaattga	ggccttacat	aaaagaagga	3000
atctacttgc	tgcttttcagc	aaacttatca	tttatgacat	tgttgacatg	catgcagctg	3060
cagacatctt	caaacactac	atgaagtatt	acaatgacta	tggtgatatt	attaaggaaa	3120
cactgagtaa	aaccaggcag	attgataaaa	ttcagtggtc	caagactctc	attctcagtt	3180
tgcaacagtt	atttaatgaa	cttggttcaag	agcaagggtcc	caacctagat	aggacatctg	3240
cccatgtcag	tggcattaaa	gaactggcac	gtcgctttgc	ccttacattt	ggattggacc	3300
agattaagac	acgagaagca	gttgccacac	ttcacaagga	tggcatagag	tttgcattta	3360
aataccaaaa	tcagaaagga	caagagtatc	cacctcctaa	tctggctttt	cttgaagtac	3420
taagtgaatt	ttcttctaaa	cttcttcgac	aggacaaaaa	gacagttcat	tcatacctag	3480
agaaattcct	taccgagcag	atgatggaaa	ggagggagga	tgatggctt	ccactcatct	3540
cctatagaaa	ttcattagtc	actgggggtg	aagatgatag	aatgtctgtg	aacagtggaa	3600
gtagcagcag	caaaacctca	tcagtaagga	ataagaaagg	acgacctcca	cttcataaaa	3660
aacgagtaga	agatgagagt	ctggataaca	catggctaaa	caggactgac	accatgattc	3720
agactcctgg	ccccctgcc	gcaccacaac	tcacatccac	tgtactgcgg	gagaacagtc	3780
ggcccatggg	agaccagatt	caagaacctg	agtctgaaca	tggttctgaa	ccagactttt	3840
tacacaatcc	tcagatgcag	atctcttggg	taggccagcc	gaagttagaa	gacttaaatc	3900
ggaaggacag	aacaggaatg	aactacatga	aagtgagaac	tggagtgagg	catgctgttc	3960
ggggtcta	ggaggaagat	gctgagccca	tctttgaaga	tgtgatgatg	tcacccgaa	4020
gccagttaga	agatatgaat	gaagaatttg	aggacaccat	ggttattgat	ctgcctccat	4080
caagaaatcg	gcgagagaga	gctgagctaa	ggccagactt	cttgactct	gcagctatca	4140
tagaagatga	ttcaggattt	ggaatgccta	tgttctgaag	tctgaagaaa	atttacaaat	4200
ctggaactct	attattttaga	gctagaggcc	tatatactgt	gatagcttgt	atggggaaaa	4260
acacttttga	tgtgatctga	tttgtttttt	aatcaaatga	ttaagggtcaa	tccctttttg	4320
cagtgcaga	agaggagcat	gtaaattacc	caagggaatg	ttggtgaatg	tcaactcaga	4380
aagactgacc	tgaaaatcat	ttgtgtccta	ctattggact	tatcccaata	cagatgtgtg	4440
gttttttctg	gagggaggaa	gaaattttta	atttttaaaa	cagctgtcaa	gataaacact	4500
gttatacacc	gtttttatga	aaactcaaca	ttgagtaaaa	aaaaacatat	ttttaacttt	4560
attttcctgt	tgtacaattt	aaaaaccgtt	ttaacatttt	gcctttttat	gttttaaaag	4620
ctaaccattt	ttattaaacc	tatgaggtaa	ggcaggctca	tcctaattgc	gaagagtgtt	4680
ttgggagttc	actggggatt	tgggttggac	ctttgtggaa	cacaaataat	gaagggtcag	4740
aacattgaca	agctaagatg	aaattctgac	atagtagatc	tctgccaaaa	accacacacc	4800
ctctgtggat	atggatatga	attcccagat	tttatatact	cttgaataaa	ggtttatttt	4860
tatttataag	tgggcataaa	ataagaaatg	tccatgcagc	cattttttcca	acagatgctg	4920
tacaccgttc	attttatata	gactagggag	attcaaatac	agtgcatttt	ctattgggtat	4980
ttgttctgtg	catttttagc	aacttctacc	agcaaataaa	gtattctcag	taaaacgaaa	5040
atgattctca	agttatcagt	ttgctgtttt	taccacttat	ttcatgccct	gccaaattca	5100
agttacacag	acttccattt	tcttaagata	atcaatcatg	aagaaatcct	ttatcaatca	5160
ttcaaaagta	attttaagtg	taacataact	gtgtttactt	cccatgcact	taataccctt	5220
atgcgcta	tttgtgaatt	aagttactga	ttatagaagt	atgtgctgca	tagaagtctg	5280
tgcttagagg	gtgaagttcc	taagcttacc	ttgaattaca	gctacatttc	agtgttaa	5340
gtgcatatta	agaataattc	ttttggggaa	agaaattatg	aatcttcagg	acagtctaca	5400
atggttttaga	gttacattct	gcctagactt	ttatgacttg	ctgctattgt	tttaaaacc	5460
ccacttagtc	tcttcttttc	tgattttctaa	agtaagcctc	agaattttcca	aaccaattca	5520
tccacagctg	tttctgggct	ggttttttaa	gtagctgcaa	cagaatcatg	aggctttccc	5580
tttttatcaa	atacgaaaaa	cattttttta	aattctgcac	accagtgat	catcttttgt	5640
gcgggaaagc	aagatgatga	tggatgattt	tattcatcct	tttagtaaag	acacaaaaca	5700
tttttctcaa	catttgtaca	gttctgaaaa	aaacctggtc	accaaaaaata	tcttctctgc	5760
taattcagca	attcttgggc	tccagttagg	ggagctgggg	cctcactttc	tcccaggatt	5820
gtgggcttca	ctggaagtga					5840

```

<210> 6292
<211> 4093
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (40)...(2511)
<223> similar to gi3882341 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 6292
attggatcgt agactatttag tcagagcggg ggaattcggc ggcggcgcga ggagctatgg      60
tttgaagtgg tgaacatgga tttttctcgg cttcacatgt acagtcctcc ccagtggtgt      120
ccggagaaca cgggctacac gtatgcgctc agttccagct attcttcaga tgctctggat      180
tttgagacgg agcacaattt ggaccctgta tttgattctc cacggatgtc ccgccgtagt      240
ttgcgcctgg ccacgcacgc atgcaccctg ggggatgggt aggctgtggg tgccgacagc      300
ggcaccagca gcgctgtctc cctgaagaac cgagcggcca gaacaacaaa acagcgcaga      360
agcacaacaa aatcagcttt tagtatcaac cacgtgtcaa ggcaggtcac gtcctctggc      420
gtcagctacg gcggcactgt cagcctgcag gatgctgtga ctgcacggcc tcctgtattg      480
gacgagtctt ggattcgtga acagaccaca gtggaccact tctggggtct tgatgatgat      540
ggtgatctta aagggtgaaa taaagctgcc attcagggaa acgggggatgt gggagccggc      600
gccgccaccg ggcacaacgg gtttttctgc agcaactgca acatgctgtc cgagcgcgaag      660
gacgtgctca cggcgcaccc cgcgcccccc gggcccggtg cgagagttta ttctagggac      720
aggaatcaaa aatgcgacga ctgtaagggt aagaggcacc tcgacgcgca ccccggtcgg      780
gcagggaccc tctggcacat ctgggcatgt gcaggttact tcttgctgca gattctgcgc      840
aggatcggag ctgtgggcca ggctgtgtcc aggacggcgt ggtcggccct ttggctggcc      900
gtggttgctc cagggaaggc agcctctgga gtgttcttgt ggctggggat tggatggtac      960
cagtttgtaa ctttgatttc ttggctgaat gtgtttcttc ttaccagggt ccttcgaaac     1020
atctgcaagt ttttagtctt gctcatccca ctcttccttt tactagggtc ctccctacgg     1080
ggccaggggc aatttctttt cgttcttgcc cgtgttgaac tgggcaagca tgcatagaac     1140
acagcgggtg gatgaccccc aggacgtgtt taaacccacg acttctcgcc tgaagcagcc     1200
tctgcagggt gacagtgagg cttttccgtg gcattggatg agtggcgtgg agcagcaggt     1260
ggcctctctg tctggacagt gccaccacca tggtgagaat ctccgagagc tgaccacttt     1320
gctacagaag ctgcaggctc ggggtggacca gatggaaggc ggcgctgccg ggccgtcagc     1380
ttcggtcaga gacgctgtgg gacagcccc gagggagact gactttatgg cctttcacca     1440
agaacatgaa gtgcgtatgt cacacttgga agatattctg ggaaaactga gagaaaaatc     1500
tgaggccatc cagaaggaac tagaacagac caagcaaaaa acaatcagtg cggttggtga     1560
gcagctcctg cccacagtcg agcacctcca gctggagctg gatcagctaa agtcagagct     1620
gtccagctgg cgacacgtga agaccggctg tgagacagtg gatgccgtac aagaaagagt     1680
ggacgtgcaa gtcagagaaa tggtgaaact cctgttttcc gaagatcagc aaggcggttc     1740
tctggaacag ctgctgcaga ggttctcatc acagtttgtg agcaaaggcg acttgcagac     1800
gatgctgcga gacctgcagc tgcagatcct gcggaacgtc acccaccacg tttccgtgac     1860
caagcagctc ccaacctcag aagccgtggt gtctgctgtg agcgaggcgg gggcgtctgg     1920
aataacagag gcgcaagcac gtgccatcgt gaacagcgcc ttgaagctgt attcccaaga     1980
taagaccggg atggtggact ttgctctgga atctggtggt ggcagcatct tgagtactcg     2040
ctgttctgaa acttacgaaa ccaaaacggc gctgatgagt ctgtttggga tcccgctgtg     2100
gtacttctcg cagtccccgc gcgtgggtcat ccagcctgac atttaccocg gtaactgctg     2160
ggcatttaaa ggctccaggg ggtacctggt ggtgaggctc tccatgatga tccaccagc     2220
cgcttctact ctggagcaca tccctaagac gctgtcgcca acaggcaaca tcagcagcgc     2280
ccccaaggac ttcgccgtct atggattaga aaatgagtat cagggaagaag ggcagcttct     2340
gggacagttc acgtatgatc aggatgggga gtcgctccag atgttccagg ccctgaaaag     2400
acccgacgac acagctttcc aaatagtgga acttcggatt ttttctaact ggggccatcc     2460
tgagtatacc tgtctgtatc gggtcagagt tcatggcgaa cctgtcaagt gaagacacta     2520

```

ctcattattt	ttgtacattt	ttgtatatac	tgggacagcg	tgaacactg	gaatccttca	2580
tggacgaggg	catatacaat	gatgggacag	tgccacactc	cttcaataaa	cgtggctgct	2640
ggccagagga	cgtgagcgtg	tgacggggcg	cttggcgcca	cctgttggtg	gctcactgcc	2700
tctgcaggtg	cagaggggtc	agcagcagga	gaagcgtgtt	gaacacgtgg	ctctcagaca	2760
ctccttgttt	ttaacgggaa	gctctttgca	tttgcatttc	ctcaacaaag	gagcaaagca	2820
gaggaagctg	agagtctggc	gtgttcttga	cgctttggtc	ttcagccttg	cactggctct	2880
tctaaaggac	ttttggaggg	cagataattt	catctgttaa	atccaacaca	catttctttc	2940
agggaaaaac	aatgtcacca	aattttcaga	gttctaaact	cctttccttc	aagccggaat	3000
tttctttttt	tcagcaccag	taggtactaa	gtctccagat	ggggaaataa	ctaaaatgtg	3060
tttttctgct	ttgttcgctc	ttacttctga	ggaaggtttc	cagtcaggac	tcgctgtacc	3120
aatatccatg	gaggaatatg	ggagcgtttc	gctctccttg	taggctgaag	tcagtctgac	3180
ttgaaggggc	ctggtttgga	tctaagcaaa	caccagatg	gggttctctg	gtctcagcaa	3240
ggcttttctc	gttgggagtc	acagtaaaaa	gaaacccaaa	aatctcatct	tgggtgtttt	3300
cagggcttgt	tttgagtttt	gctgaatagg	gagcgcaaga	cgccctgagc	ctccctctca	3360
ctgggtggtg	taagagggagc	cgtctgggtg	gtcagggtca	cgaaccctgt	acatttcagg	3420
acgatccttt	ttccttcagc	agcatttctt	actggctgtg	gctggaatct	gcctttttatc	3480
acagctgtca	ccattctcac	gtgattcttg	tgagactctt	tttggttata	attactattt	3540
aatattttag	ctattttact	gagcagactt	tataaatgag	atatctacaa	ggcacttaaa	3600
gtgttacaga	tgttttacct	taagaattat	ttaagttgtg	ttgggttaag	acagttttca	3660
gtgtaccgta	aatgtttgtg	tttcagaaaa	agacaaaacg	atggtgctga	ctgggttttct	3720
gtatatttga	caacagtcct	caaatacact	gatgtatgaa	actattcata	catcaagcag	3780
catttttttc	actctcctta	gaattggaac	tatgcagtta	aggcagataa	aatgtacaga	3840
tgtttcatat	attacaggtt	acatatataa	atcaaaattt	cctatataaa	actgatttgg	3900
gatttggggt	ggaaatatth	tgaatattaa	tttattttta	aagatgcaag	ataggacttt	3960
gttcgaatga	tttttgtaaa	tgcttttcaa	aatatctgtc	tttggtagtg	cttctgctgc	4020
tgccaccaaa	ttgataagat	gctattaaga	ggtttaaata	aagagtttta	atttttaaaa	4080
gggaaaaaaa	aaa					4093

```
<210> 6293
<211> 1110
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (448)...(695)
<223> similar to gi3929926 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```

<400>	6293						
cctatagttt	tgtaattttt	tttttttttt	tttttaacat	gaaaaaacac	atttttattgc		60
acttaagtta	taagaaaata	aaattttctaa	gtgaatcaaa	ccatagacac	aatcccttta		120
aaggttgttt	tcttccatca	tgtcaggttg	ttacataact	aaaattaacc	aacttgaatc		180
tgattgtttt	aaatcagact	ataaataaaa	caaacaaaaa	aataaacaga	aggaggaaaa		240
aagatgcct	aggatacagt	gttaaaccac	tttcacagtt	cagcttgagt	tgtggctctt		300
ggagaatgag	gcaaaccatt	tgactgtttc	attcattttg	tttgtttgca	tgtgacgcct		360
ttactacaaa	aactgaatag	ttttctgttt	gtcagttact	cagagcaata	aaactgtaac		420
agttgttttc	ccaataactg	taaaacacta	agactgacca	gcaactttat	tttaattttg		480
tgttttatat	atttttaaaa	tattttgtca	gttttacgat	gtacgtttcat	ccattcacca		540
cagccctcaa	aaagaaaagt	ttctccacag	aacaggcaag	taatagctct	gttccaagga		600





cccctggggc	tggaacatgg	gatctcctct	tccacctctt	cctgggttct	ttgcggggaa	1740
aattgccact	aaaacagAAC	cttttcttaa	tcccatgttg	gaaggaagca	acagtgaact	1800
ctacctgttc	tggagtcttc	ctgggtctgc	agaaggttgg	gaatttagaa	aataaggctg	1860
ttctttcata	ttttaattta	atctctgtca	atggccatcc	ctcccacaaa	aaaacgtggg	1920
ttaagagaac	ttgcagactg	gatatgcaag	caaacgggca	actctggaga	aaaataagga	1980
aaggaatgct	gactttctct	ttctttctct	tgtccccaca	cccattccca	acccaatact	2040
ggggccttct	caaaaggagc	aaattaaaca	ataaaccaga	cacgcaaggc	cctgggggaa	2100
aggacaacat	cctgaaataa	atgatggagc	ccaggaaggt	ctcttgtgga	agttgactta	2160
actctaattt	tctttgtaac	tttaagcctt	ggatacggga	ggagaaatct	cattttgtcg	2220
agtctcagac	catgtctgtg	tgtaaagcaat	ccccacagtg	tcctctgagc	caaggacacc	2280
cccagatcag	attgagtttt	gcttctagac	ggggtagcta	tggtagcttg	ggggttagct	2340
ctcatccaag	ctgttaagtg	agtttccagc	ctcactgtgg	ctggaaagcc	cctaaaattc	2400
agtatgtaac	tccaggaagt	caggagagaa	ctgagatttg	cctagatgac	cacaggcttg	2460
cggtcgaaat	tatccctaaa	gggccccaa	tcacgtgggg	tatcccacc	tgtctttcaa	2520
tc						2522

```

<210> 6295
<211> 1474
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (188)...(848)
<223> similar to gi4929673 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

<400> 6295						
tccgcggacg	cgtggggccgc	gatggccgaa	cctgcgtctg	tcgcggctga	atctctcgcg	60
ggcagcaggg	cgcgcgctgc	acgcacagta	ctaggtcagg	tggtagctccc	gggtgaggag	120
ctgctcctgc	cggAACagga	ggacgcggaa	ggccctgggg	gtgcagtgga	gcgaccgttg	180
agcctgaatg	ctagagcgtg	ctcgcgggtg	cgcgttgtat	gcggtccggg	ccttcggcgc	240
tgtggggacc	gcctgctgg	caccaagtgc	ggcgcctcc	gtcacaagga	gcccggcagt	300
ggcagcggcg	gcggtgttta	ctgggtggac	tctcagcaga	agcggtatgt	tccagtaaaa	360
ggagaccatg	tgattggcat	agtgcacagt	aaatctggag	atatattcaa	agttgatgtt	420
ggagggagtg	agccagcttc	tttgtcttac	ttgtcatttg	aagggtgcaac	taaaagaaac	480
agaccaaagt	tgcaggttgg	agatctcatc	tatggccaat	ttgtggttgc	taataaagac	540
atggaaccag	agatggtctg	tattgacagc	tgtggacgag	ccaatggaat	gggtgtcatt	600
ggacaggatg	gtctgctttt	taaagtgact	ctgggcttaa	ttagaaagct	attagctcca	660
gattgtgaaa	tcatacagga	agtgggaaaa	ctctatccac	tggagatagt	atttggaatg	720
aatggaagaa	tatgggttaa	ggcaaaaacc	atccagcaga	ctttaatttt	ggcaaacatt	780
ttagaagctt	gtgaacacat	gacgtcagat	caaagaaaac	agatcttctc	cagattggca	840
gaaagttagt	ataggtggac	ttttttacag	gtcagttgag	gcaaaaaact	atgggttttt	900
tcaggtgaac	ctccccatt	taaataactca	gaagataagg	tgtgaatgta	tgtattatta	960
gagtccgaaa	gtatttttat	aagttactgg	ttttcaccca	cgcttttgtg	ggagagaaaa	1020
tcattgcaaa	atcatttttt	ttgttcggtg	caataaagtt	tactaaaaaa	cagtattagg	1080
gtttattttg	agttaactcc	cttagtaatt	gctacagctt	ccataattaa	ctggagggtca	1140
gcagtaaaat	aattttgtga	ttataacagt	aagccaggtt	caccagagga	aatgtggaat	1200
acctaagtat	aaagcagcaa	agaaatgtca	cctgtagtcc	cattattcag	cggggtgata	1260
ctttgagacc	atgtaaatag	ccggttcctc	cacaaccttt	ctttcaactg	agtcaacaat	1320

tgtattagga	gtgacaaaat	gatgattttc	taattctatt	atgcattcct	tattagctgc	1380
attcttctgt	aagtagcccc	tgctcgtatt	ttagatgatc	actatggagt	catggaacac	1440
taatattttt	taaataaatt	caattaaatt	aacc			1474

<210> 6296

<211> 2121

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (35)...(844)

<223> similar to gi6018414 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 6296

cattacccca	agcttggcac	gaggatcgtg	gcagccgcct	cggccgccgc	aatgcagaga	60
gaggagaagc	agcttgaggc	atcattagat	gcactgctga	gtcaagtggc	tgatctgaag	120
aactctctgg	ggagtttcat	ttgcaagttg	gagaacgagt	atggccggct	gacctggcca	180
tctgtcctgg	acagctttgc	cttgctttct	ggacagctga	acactctgaa	caaggtcttg	240
aagcatgaaa	aaacaccgct	gttccgtaac	caggtcatca	ttcctctggg	gttgtctcca	300
gaccgagatg	aagatctcat	gcggcagact	gaaggacggg	tgctgtttt	cagccatgag	360
gtagtccctg	accatctgag	aaccaagcct	gaccctgaag	tggaagaaca	ggagaagcaa	420
ctgacgacag	atgctgcccg	cattggtgca	gatgcagccc	agaagcagat	ccagagcttg	480
aataaaatgt	gttcaaacct	tctggagaaa	atcagcaaag	aggagcgaga	atcagagagt	540
ggaggtctcc	ggccgaacaa	gcagaccttt	aaccctacag	acactaatgc	cttggtggca	600
gctgttgctt	ttgggaaagg	actatcta	tggagacctt	caggcagcag	tggtcctggc	660
caggcaggcc	agccaggagc	tgggacgatc	cttgaggaa	cctcaggatt	acagcagggtg	720
cagatggcag	gagctccaag	ccagcagcag	ccaatgctca	gtgggggtaca	aatgggtcag	780
gcaggtcaac	cagggaaaat	gccaagtggg	ataaaaacca	acatcaagtc	ggcttccatg	840
catccctacc	agcgggtgagt	gtggctggca	acctcgactc	cctgggtgctc	tttgagaggt	900
tgggcagtg	aattaccttt	tgctcaaggc	tcacctagat	gggtacaata	aaaagaacat	960
gggctttcag	cagcagacaa	atcccacttc	caccactgac	tagctgtgtg	accttgagca	1020
agtgcacctaa	tttttctgag	cctgtttctc	atgtgtaaat	ggtgataata	cctacctcat	1080
agggttggtg	tgaggatcaa	aatgaggaaa	tgaatgtaaa	gcacttagta	cagtatatga	1140
aataatgggt	attcaataaa	tgatagtttc	tacagatcct	tctccccacc	accctccaca	1200
gtccttgatc	cagaacttac	cctaactctga	tactgectca	cgtcaatggg	gagctgatgg	1260
acacaagatc	aaataaggct	atgcttattt	tgtgctgcca	gaaactgtag	caacctctgt	1320
gttcttagag	gcacactggt	tttgagggcc	ctcctgcctg	ggtttcattc	tggtatccc	1380
tctaaggcgc	aagggtgaaga	agcttctggg	ccaggaagga	aaaaaaaaatg	cccacctgca	1440
gctctggtga	agcttggggc	tgctctcctt	tccatcctct	aaggagccaa	cttggctttt	1500
acctgtcaaa	tagtcataaa	gtcccctatc	ctttacccca	ccttatacac	acgaggcttt	1560
ctcaggaagt	ggctctgcca	ggcaggacta	tgtgggaaag	ggtttttcct	tagcacacga	1620
aaaagccctt	tcccctggat	tcatgtttct	tattttggag	ggagaaggga	attgcacttc	1680
acactgccat	cagggttttag	ttgacctcat	aatggtgccc	actttctcga	ctttggccag	1740
gatttccttc	aaagaaaacg	actttccttc	atttccctaa	gcctgtggcc	caaagtgtgg	1800
accagaatga	tggtgggagg	gggcaacccc	cagtagcttt	gcctgctttt	ataaagttga	1860
acaaattgaa	tttagacatt	caggctaacc	tgcttttctt	agtactcctt	tggtggcatg	1920
ggcagggggt	gagtcagcag	aagtggacca	aaggattcct	ctgaataaag	ttatttaaaa	1980
taaaaaaaaa	aaaaaggggc	ggccgtttta	aaggatccaa	ttttacttcc	ccgggcttgc	2040

```

aacgtaatat tttttttatg gggcccccaa aattcaatcc ccggggccggg gttaaacaac 2100
gtcgggacgg gaaaaaccct g 2121

```

```

<210> 6297
<211> 2960
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(2961)
<223> n = a,t,c or g

```

```

<220>
<221> misc_feature
<222> (396)...(2069)
<223> similar to gi4469250 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

```

```

<400> 6297
ccgaggttcc tcatctgctc gcgaggatgc cttttctctt ctgccttgcg aaataacagc 60
agcctagctg tttgcccgtg accagtgaga aaggcagcgt cgcgagctga ttaggtttca 120
cccaaagggtc gcggcgccga attggtttct aacgagaact tttaaaatga tccgttccaa 180
aaaagggtag gagccgcgag accctccaac tgcccagaga aaacaagtct cgtctgggca 240
aagttctcgg cccacgcggt ccgggccaag ggcaagcggg ccctgcgccc caggttgccg 300
cagcactgcg cgtgcgaagc cgctgntcaa acgcgctgac ggaggccgag aagagaaaaa 360
ggcgggactt caaattcccg ggttgagcaa aatgggcgcg ggagaaggag atgcaggagt 420
ttcaccgcta gtttctttcc gaggcgcgcc ggacctcagc acgcttacgc attccatcgt 480
gcggcgaggg tacttagctc actcgggccg cagccacctg gagcccgagg agaagcaggc 540
actgaagcgg ctggtggagg aggagccgct gaagatgcag gtggatgaag ccgcttccag 600
ggaagacaaa ctggacctta ccaagaaggg caagaggcct cccacccctt gtagcgaccc 660
ggagagaaaa aggttccgct tcaattcaga gtcggagtcc ggctctgaag cctccagccc 720
agactacttt ggacccccag caaagaatgg ggtggcaagc agaagtcaca cccaccccaa 780
agaggagaaat ccaaggcgag ccctcaaagg cagttgagga gagcagtgat gaggaacggc 840
agagggacct gccgcacag aggggagagg agagcagtgga ggaggaggaa aaggggtaca 900
aggggaagac taggaagaaa cctgtggtaa agaagcaggc accaggcaag gcctcagtca 960
gtaggaagca ggccaggga gaaagtgagg agagcgaggc agaaccggtt cagaggacag 1020
caaagaaggt ggagggaat aaaggaacta aaagcctgaa ggaaagtga caggagagtg 1080
aagaggagat cctagcccag aagaaagagc agagagagga ggaagtggag gaggaagaga 1140
aagaagagga tgaggaaaag ggggattgga aaccagaac caggagcaat ggccggagaa 1200
agttagctag ggaggagagg agctgtaagc agaaaagcca ggcaaagagg ctcttgggag 1260
actcagacag cgagggaagag cagaaagagg cagccagcag tggggatgac agtgggagag 1320
atagagaacc cccagtgcag aggaagagtg aggacaggac ccagcttaag ggtgggaaga 1380
ggttgagtgg aagcagcgag gacgaggaag acagtgggaa gggggaaacc acagctaaag 1440
gctctagaaa gatggccaga ctgggcagca ccagtgggtg ggaaagtgac ttggagaggg 1500
aggtaagtga cagcgaggca gggggaggcc cccaggggga gaggaagaac cgctcttcca 1560
agaagagctc caggaaaggc aggacacgaa gctcctcttc ctcctcagat ggaagtccag 1620
aggccaaagg agggaaggct ggctcaggct gccgtggaga ggaccacccg gctgtgatga 1680
ggctgaagcg ctacattcgg gcctgtggtg cccatcgaaa ctacaagaag ctgttgggct 1740
cctgttgctc acacaaggag cgcctgagta tcctccgggc agaactggaa gcgctaggca 1800

```

tgaagggtag	cccttcccta	gggaagtgtc	gggccctgaa	ggagcagagg	gaggaggcag	1860
ctgaggtggc	ctccttggat	gttgcgaaca	tcatcagtgg	ctcgggccgg	ccacgcagac	1920
gtacagcctg	gaacccttta	ggagaagcag	cacccccagg	ggagctgtac	cgacggaccc	1980
tggactcaga	tgaagagcgg	ccccgtcccg	cacccccaga	ctggtcacat	atgcgtggca	2040
tcatcagcag	tgatggcgag	agtaactgag	ctctgccacc	cccaggaggg	acccttgata	2100
catgtacaaa	gcatacatag	caccccttgc	cctgtgtctg	tggaacagaa	gcagcttcct	2160
tcagagaaga	ctgcagctcc	caaggacaca	agctgttggg	atgctacttc	tcagcttcac	2220
gctgtccctt	taaggtgttt	atTTTTtaag	actcaataaa	ggagtgtttt	taatcacctc	2280
atcaaatttg	gtccccatt	ctcacctcct	gtattttggg	ccaggaaact	gagcagtagt	2340
cactgcctcc	acctcctccc	ctggcctggt	tccctttaat	ttcccccg	ttcctggaag	2400
aagtccctgc	ctccagaccc	tgatcatcaa	cagccaccag	acccttttgg	agaagggtgt	2460
gtggctcctg	tgctgcccgc	ctaccccggt	gcccctctgc	ttttagccta	gtctgataac	2520
ctaagtccca	cttgggagag	ggatagaatg	acttgagggc	agccagtgtc	taagccttct	2580
cccttatgca	aacagccact	ttgtccatgg	gctgttagcc	tcaaaggggt	ggggaaaagc	2640
ccatacctcc	tggggccagtc	ctagccctcc	taggcctctg	gctacaggcc	cagcctctgc	2700
agtcacatga	ggtctccact	gaactctggc	tgctgaggct	tgccgggaaa	ttccgtgacc	2760
catggagctc	cctgggggtct	gtgtggggagg	caaaccctaag	aatctttgaa	gtcaaagcaa	2820
agaaaacagg	aattagaggt	caagggggtg	aagaccacct	ttgagatccg	agatctggtc	2880
acacctaaag	tcatttaaat	ccctgaaaag	ttttggttca	caggcccaat	aaattctctt	2940
tataaaacac	aagcagtaaa					2960

<210> 6298  
 <211> 5275  
 <212> DNA  
 <213> Homo sapiens  
 <220>  
 <221> misc\_feature  
 <222> (830)...(2439)  
 <223> similar to gi5911982 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

TTTTTTTTTT	TTTTTTTTTa	tctggagact	gagttttgca	ctcgttgccc	aggctggagt	60
gcaatggtgc	gatctcagct	cactgcagtc	tccacctcag	caggagagca	ggaatcttca	120
gtgatccacg	ggcaaatatg	cagccattgt	gggcacctgt	tcctcccgcg	acctttgtgc	180
ccacgtctct	ccctccagta	cctactgcac	ggccccccac	gtccgcctcc	tgccattgcc	240
agcagggtgc	ttgcgcgggt	acctggctgt	gcttattcat	ccattatggt	cgctctgtca	300
ctggtgccat	tatgtgctca	catgccact	ccctcaggtt	tagaagtcgt	gttgcccggc	360
aacagaacaa	tctgctggct	tagcctttgg	ccaagttggc	agctggacga	ggacgctcag	420
agcccagctc	ttgagagtgc	aagtatccga	cagttcccca	ctgctcccag	gagcgggttac	480
ccgggcactc	tgtgcccctc	attcctgttt	gggccaaagg	cgaggacctg	cgagtagggc	540
tcagttgcct	ggagcccctt	cagcccatcc	cccagttcac	tttgcttgtg	ggatctcccc	600
gttgctcctg	cccctggact	gagtggcagg	ccatcctaca	aacacccgca	cactcgacat	660
cagtgggtgc	aagacaactc	taagaagggt	ttccgtgatc	ctgcaagacc	tgtgttccat	720
cctggtgatt	ctgtcttcaa	tttactgca	caggtaaccac	agtaagccag	tgctgtgtgc	780
tccgagttcc	agggcatccc	ccagctcagc	cactacactg	agcacaagga	ctctgtgggg	840
cccaggagca	ggtagtccac	cctttggggg	ccacaacacc	cggctgtccc	cagacttgtg	900
tccagggaag	atagtgttga	gggccctcaa	ggagagcggg	gcagggatgc	ctgagcagga	960
caaggacccc	agagtccaag	aaaatcctga	tgatcagaga	acgggtcccc	aggtcaccgg	1020

ggatgcacgg	tctgcatttt	ggccccctgcg	ggacaatgga	ggcctctctc	cctttgtgcc	1080
caggccccggg	cctctgcaga	cagacctcca	tgcccagagc	tcagaaatca	gatataacca	1140
gacatcccag	acatcctgga	cgagctcgag	caccaaacga	aatgctatct	ccagctccta	1200
cagctccacg	ggaggcttgc	cggggctaaa	gcagaggagg	ggaccagcct	catcccgctg	1260
ccagctgacc	ctcagttact	caaagacagt	gagtggaggac	aggcctcagg	ctgtctcttc	1320
gggtcacaca	cgggtgtgaaa	aggcggcaga	tacagcacca	gggcagacac	tcgccccag	1380
gggtggctcc	cccagatccc	aggcctctag	gccccgtaga	cgcaagattc	ccctgctgcc	1440
aagcaggcga	ggggagcctt	tgatgcttgc	cacctccctt	agagctgggg	taccgggtca	1500
cggtgaaga	cctgcacctg	gaaaaacagg	cggcatttcc	agcgcatcaa	cagtgcactg	1560
cacgttgagg	acaaggccat	ctcgactgc	agacctcac	ggccttccca	cactttgtcc	1620
tcacttgcaa	caggggcttc	tggtctgcct	gccgtttcta	aagcaccag	tatggatgta	1680
cacgcaggag	acacacaagt	cccaagactg	cctgggccta	ctggccccct	tagcatctgc	1740
tgagggggtc	ccctctacag	ctcccatgtc	tgggaagaag	cacagaccac	caggccccct	1800
gttctcctcc	tcagatcccc	ttcctgccac	ctcttcccat	tcccaggact	cagcccaggt	1860
cacctcgctg	attcctgccc	ccttcccagc	tgcaagcatg	gatgcgggca	tgagaagaac	1920
aaggtgtggc	acttctgctc	ctgcagctgc	cgccagcagc	cctccccctc	ccacattgaa	1980
ccccacgttg	gggtcactac	tcaatgcagt	ggatgaaggc	ccctcacatt	tctggggcct	2040
cagccacagc	tgccagcagg	gcccagagg	cagaaccaga	gatcccagac	ctcccggacc	2100
agctcgtgcc	ccaaaatgaa	atgccatctc	gagccccctac	agctctacgg	gaggcctccc	2160
ggaacaaaag	cggagaagg	ggccagcctc	atcccactgc	cagctgaccc	tcagtctctc	2220
aaacacagac	ccagggtgca	tgcccactctc	cagcccagg	cagctccccct	gtaagctggg	2280
tgagctactg	aagccaaggt	gggaggcagc	tgacaacacc	acccacggcc	catgcagagg	2340
tggtagaaag	gctggactca	gcaggaacac	caaatcccgg	accaggcaga	aaccacccaa	2400
gactgagggg	ctcgtgccag	agcgggtggc	acagggctga	atggctcgtg	agacagagat	2460
ggaagccagg	acaaggggag	ccaccggggc	cagatagaga	cttcagaacc	cactcctgag	2520
aacagcggag	ccaggcgctt	agaggaagac	caaatgctgc	caggacacgg	attgtccagg	2580
gattacattc	cagcatctta	ttagaggacg	gaagcagagg	gtgctgtttc	aacgccacca	2640
ccaggagaga	ggcagagggg	ctgtgccgtg	ctagagtcct	cagggagggg	gtgacctcga	2700
ccctggctgt	gctgcaagct	gactccagcc	ttgggctcag	cagcaccogg	tgaacagcag	2760
caggaggagc	cgctagagca	gctgctcatg	ggcagagcag	cccttgggca	actcctgcc	2820
ccacccccctc	ccaggggagc	ccaaggcagg	ggaggctcag	catggaatga	aacaggggag	2880
tgagggacac	aaggagggtg	gaagtgggag	ggtcccagcc	ccaccaagta	cgcagagacc	2940
ccctcgtcgt	cctggacacc	acagggggac	ctgcaggctg	ggagaccagg	tcctctgtgc	3000
atgggcccgg	gaggcagacc	tgccccaaag	gtgatgcaga	ggccacagg	gctgcacgct	3060
ccaagcgccc	actctagaca	tcagcctcca	ggttgactaa	gggtcaggtc	atgtttgaaa	3120
ccaatgcttg	gctggaccgg	gacccatggc	aagagcacct	ggggcaccag	tgtttagccc	3180
tggtctgcag	gaaggaggac	agcagacttt	aggacccac	agcacggcag	tgcttgacca	3240
tttcacccac	tttgggcttc	cttgagaaat	atggatgggg	acccctctgg	ggatgggcaa	3300
ggccttccag	gataggctca	gttttggtcc	cctgcttttt	gagggtgggt	taaaattccg	3360
accatggcag	aggaagcaca	gctcaggttc	ccacacctca	cttttcacag	cctctgagg	3420
cagcagtga	cgtggaggag	acgtctccca	tgaggccaag	gcctccagt	ctcaccgatg	3480
ccctctgcga	agttggggta	gaactcgtca	gtgaagagg	gctcgggcag	ctcacggaaa	3540
tacagcttca	gcgtgcctgc	gatggcgctt	acgtccatct	cgctcatcat	cactgacacg	3600
tccttgttat	ctggaaaag	cacggaaatg	cagcggcctc	cttgaagatc	ctgataaatg	3660
aagaaaagac	acagagaagg	atgtgacatg	cctgggccat	ggagcactct	tgagatctca	3720
tcgtggacac	cactgcccac	acctccatcc	cgtcctgcgc	aggccgacac	tcacttgaa	3780
gttgaaaggct	gccttcagtg	cctggatgtc	tgccggccaca	ccggccggac	acgtggtaga	3840
tgccacctc	ctccatgcct	cggcgtctga	tctcctccac	gcactggcgc	acgatgtagg	3900
gcaccttgga	cctctctctc	ctgtgggagg	ggggaatggt	ctcagtgtcc	taacagccct	3960
gcttgggcca	taacacagga	gacctgctcc	ctatctgcgc	acccggagg	ggggtaggga	4020
cggtgacgaa	ggtaccagg	tctggggctg	cacacagagc	cttctgcatg	cctgtcctcc	4080
ctctgcaagc	tctgtcttca	cgccatgtgc	tttctcagga	acctttcaag	cggccagaac	4140
ccctgcgaat	cacacatgac	ctttgcggga	aggtcaggag	gcctgtctaa	gtcaagtcag	4200
cacgggaagg	gcatctgaca	gattccaggc	ctgggggttag	cagcctgtgc	ccccggctgg	4260
gagatcgac	ccggtgttgg	tcctgccacc	cacgtgctgt	gtgagaggag	aatccctgac	4320
ccctgccttg	ggccttaaca	cacatccgac	gaatgaatga	aggggtgcct	cagcaccgg	4380
gctccaagtc	ctgcgatgct	aagtgctttt	ctcctctgag	tcttagcaat	ggacaattcc	4440

aatacctcca	cacaggacac	tagagtaaga	aaccttcaca	gttagaacgc	agtgctgtgc	4500
gggaggcctt	aacttgagtt	ctgttttgca	cctggattta	ccagcacatc	aaagctgctt	4560
cgcaagcccc	ctcatcagca	gggcttatgt	gggggagctg	ctgatggagt	cctcgctgct	4620
catgcccaca	gccctcccag	agtgctatgc	gagtgggctg	ccgtgcagtt	gtgggggtggg	4680
gcgtggtggt	taagacacag	ataggagtcc	agggtatgac	tgatggaggc	cccggcccac	4740
gtgaccagca	aggtcagagg	cccagccaga	ttccatcctg	gggaagcaaa	tgaattctca	4800
gaggaagtgg	tctgtgtctg	catgaactgc	tctcaaacca	acaaataggc	ttttctttgg	4860
caactgactc	gtgacaaagg	gtttaagaat	gtttgaaaaa	aaaaaaaggt	ggggggggaa	4920
cagggaggca	gtaggtcctg	gaaaagtaaa	ttctttattt	tacaataaga	aagtgattac	4980
atattttatt	tttttttata	atggtggaaa	attagaagtg	attgtgaaaa	tgatgtctac	5040
ccgccttgct	gatgagtagg	atgtgatttg	gctctttagg	aaactgaatt	tgcaagaactg	5100
aagaatattg	atttataaaag	ggcatggcca	ttgaccaggt	ccatcttatg	caaatctgga	5160
tgccataaat	aatatTTaaa	aatgaaagta	ttggggtgga	ggttgcagtg	agcagagatt	5220
gcccccgcta	cactccagcc	tggtcgacag	agtgaactct	gtctcaaaaa	aaaaa	5275

<210> 6299  
 <211> 3010  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <221> misc\_feature  
 <222> (302)...(2180)  
 <223> similar to gi4468288 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 6299						
gcggttggtgc	cgcatctaga	gagtcgggga	gccgcccccg	cacccaggcc	ttctcgcgct	60
gcctggtcgc	tggtgaagcc	cgcggcgcgc	gcctctcccg	gacctgcag	ggtaaaagaa	120
tgtcacatgt	cagcatttgt	acctgaagtc	agcatgcaaa	gttcagggtg	catggatgaa	180
tgccaacttt	tgcatttccc	atgtgtatcc	tgtgaccatt	ctatctggga	acatccttca	240
aagagttcat	gcatcttact	gaggacacct	gaccttttga	agcttcataa	ttcacatcta	300
gatgtcaccg	gtctttccca	tgtaaacagt	tctgaccatg	ttttattata	tatgccttcg	360
gcgccgagcc	aggacagcta	caagaggaga	aatgatgaac	acccatagag	ctatagaatc	420
aaacagccag	acttcccctc	tcaatgcaga	ggtagtccag	tatgccaaag	aagtagtgga	480
tttcagttcc	cattatggaa	gtgagaatag	tatgtcctat	actatgtgga	atttggctgg	540
tgtaccaa	gtattcccaa	gttctggtga	ctttactcag	acagctgtgt	ttcgaactta	600
tgggacatgg	tgggatcagt	gtcctagtgc	ttccttgcca	ttcaagagga	cgccacctaa	660
ttttcagagc	caggactatg	tggaacttac	ttttgaacaa	caggtgtatc	ctacagctgt	720
acatgttcta	gaaacctatc	atcccggagc	agtcattaga	attctcgctt	gttctgcaaa	780
tccttattcc	ccaaatccac	cagctgaagt	aagatgggag	attcctttggt	cagagagacc	840
tacgaagggtg	aatgcttccc	aagctcgcca	gtttaaacct	tgtattaagc	agataaattt	900
ccccacaaat	cttatacgac	tggaagtaaa	tagttctctt	ctggaatatt	acactgaatt	960
agatgcagtt	gtgtcacatg	gtgtgaagga	caagccagtg	ctttctctca	agacttcact	1020
tattgacatg	gaatgatata	ggaagatgat	gcctatggcc	gaaaagggat	gggttggtggg	1080
aatgggacag	tccttaacaa	aaagtttagc	agtggctgtc	cctcggggaa	gggccaataa	1140
atgggtat	tgataaacta	ccttatgagc	ttattcagct	gattctgaat	catcttacac	1200
taccagacct	gtgtagatta	gcacagactt	gcaaactact	gagccagcat	tgctgtgatc	1260
ctctgcaata	catccacctc	aatctgcaac	catactgggc	aaaactagat	gacacttctc	1320
tggaattttct	acagtctcgc	tgcactcttg	tccagtggct	taatttatct	tggactggca	1380

atagaggctt	catctctgtt	gcaggattta	gcaggtttct	ggaaggtttt	gtgggttccg	1440
aatttagtac	gccttgaatt	gtcttgcagc	cacttttcta	acgaaacttg	cttagaagtt	1500
atttctgaga	tgtgtccaaa	tctacaggcc	ttaaactctct	cctcctgtga	taagctacca	1560
cctcaagctt	tcaaccacat	tgccaagtta	tgcagcctta	aacgacttgt	tctctatcga	1620
acaaaagtag	agcaaacagc	actgctcagc	atthtgaact	tctgttcaga	gcttcagcac	1680
ctcagtttag	gcagtttgtgt	catgattgaa	gactatgatg	tgatagctag	catgatagga	1740
gccaaagtga	aaaaactccg	gaccttggtt	ctgtggagat	gtaagaatat	tactgagaat	1800
ggaatagcag	aactggcttc	tgggtgtcca	ctactggagg	agcttgacct	tggctgggtgc	1860
ccaactctgc	agagcagcac	cgggtgcttc	accagactgg	cacaccagct	cccaaaacttg	1920
caaaaactct	ttcttacagc	taatagatct	gtgtgtgaca	cagacattga	tgaattggca	1980
tgtaattgta	ccaggttaca	gcagctggac	atattaggaa	caagaatggt	aagtccggca	2040
tccttaagaa	aactcctgga	atcttgtaaa	gatctttctt	tacttgatgt	gtccttctgt	2100
tcgcagattg	ataacagagc	tgtgctagaa	ctgaatgcaa	gctttccaaa	agtgttcata	2160
aaaaagagct	ttactcagtg	acttaatata	tgttctgtat	taaaattaat	gtgctttgtt	2220
gggggttaaat	tttgggattg	gttttggtt	ttgttttttag	ttgttttaat	ggtaagaatt	2280
aagacatttg	tagatttttaa	agaaaaatat	gaaattgtcc	attaaatcaa	gtaaaaatgt	2340
gcacaaatgt	tttcataaaa	tactgcaagc	acttctcttc	aagaatatga	gtggatatta	2400
tttttacctt	atgttaatca	gtgatatgct	ttagtcaata	atatgattga	taaaagaata	2460
acatggaatc	atgctaactt	atthtcaaag	gaacactgag	caataaagta	tcgtgggcat	2520
ttatgcaaaa	aaaaaagtta	atthttttaca	ccttcatgta	aggatgtcct	tattttaagcc	2580
ctgtgacctg	gccaagtgtt	ttgtttggta	tgtacaaaat	ggtcagagct	aagttgggag	2640
aatgagacat	gcttttccca	gctgtttggt	tatttctctg	gattaactgt	tcaactggaa	2700
aatttttagt	ttttctagcc	aggtgtggtg	gcacacactt	gtggtcctag	cgacacggga	2760
ggtggaggcg	gggggattac	ttgggatggg	atthtgagac	tctagtgtac	ttatgattgc	2820
acctgtgagc	ccccctgca	ctcccaacct	gggcaatata	gcgagtccct	ttctcttaaa	2880
aaaaattgta	gtgtttccac	ttttcttctg	atatttttgt	ctatttctact	actggataat	2940
gccaatataa	aaatttggtt	ataatcaaga	ataagaggta	aactactaaa	taaaaaaagc	3000
tttccaactg						3010

<210> 6300

<211> 7728

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (266)...(6202)

<223> similar to gi641958 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 6300

ctcgacgatt	tcgttaacgt	cttcccttgg	agatgggagc	gcaaaccaac	cagtgggtct	60
gggggaggcg	gtgatgggag	tggagctggc	ccaatgaggg	taggggtggg	tggggcagcc	120
ccgagcagca	gtgctaaagg	agcccgaggc	aggcagcggt	gggtttggga	ctgaggcgct	180
ggatctgtgg	tcgaggctgg	ggacgtgcgc	ccgcgccacc	atcttcgggt	gaagaggcaa	240
ttgcttttgg	atcgttccat	ttacaatggc	gcagagaact	ggactcgagg	atccagagag	300
gtatctcttt	gtggacaggg	ctgtcatcta	caaccctgcc	actcaagctg	attggacagc	360
taaaaagcta	gtgtggattc	catcagaacg	ccatgggttt	gaggcagcta	gtatcaaaga	420
agaacggggg	gatgaagtta	tgggtggagt	ggcagagaat	ggaaagaaag	caatgggtcaa	480
caaagatgat	attcagaaga	tgaaccaccc	taagttttcc	aaggtggagg	atatggcaga	540



attgacatgc	ttgaatgaag	cttccgtttt	acataatctg	aaggatcgct	actattcagg	600
actaatctat	acttattctg	gactcttctg	tgtagttata	aacccttaca	agaatcttcc	660
aatttactct	gagaatatta	ttgaaatgta	cagagggaag	aagcgtcag	agatgcctcc	720
acacatctat	gctatatctg	aatctgctta	cagatgcatg	cttcaagatc	gtgaggacca	780
gtcaattctt	tgcacgggtg	agtcagggtg	tgggaagaca	gaaaatacaa	agaaagttaa	840
tcagtacctt	gcccattgtg	cttcttcaca	taaagggaag	aaggaccata	atattcctgg	900
ggaaaccttg	acggcagctt	ttgcaagcaa	atccaattct	ggagtcattt	ggaaatgcga	960
ggactgttca	aaatgataac	tcactctcgt	ttggcaaat	tattcggatc	aactttgatg	1020
taactggcta	tatcgttggg	gccaacattg	aaacatacct	tctggaaaag	tctcgtgctg	1080
ttcgtcaagc	aaaagatgaa	cgtacttttc	atatctttta	ccagttgtta	tctgggagca	1140
ggagaacacc	taaagtctga	tttgcttctt	gaagggttta	ataactacag	gtttctctcc	1200
aatggctata	ttcctattcc	gggacagcca	agacaaaagt	aatttccggg	gggaccctgg	1260
ggaggcaatg	cacataatgg	gcttctccca	tgaagagatt	ctgtcaatgc	ttaaagtagt	1320
atcttcagtg	ctacagtttg	gaaatatttc	tttcaaaaag	gagagaaaata	ctgatcaagc	1380
ttccatgccca	gaaaatacag	ttgctgcagaa	gctctgccat	cttcttggga	tgaatgtgat	1440
ggagtttact	cgggccatcc	tgactccccg	gatcaaggtc	ggccgagact	atgtgcaaaa	1500
agcccagacc	aaagaacagg	cagatttttg	agtagaagca	ttggcaaaaag	ctacctatga	1560
gcggctcttt	cgctggctcg	ttcatcgcag	caataaagct	ctggatagga	ccaaacgtca	1620
gggagcatct	ttcattggaa	tcttgatgat	tgctggattt	gaaatttttg	agctgaactc	1680
ctttgaacaa	ctttgcatca	actacaccaa	tgagaagctg	cagcagctgt	tcaaccacac	1740
catgtttatc	ctagaacaag	aggaatacca	gcgcgaaggc	atcgagtggg	acttcacgca	1800
tttcgggctg	gatctgcagc	catgcatcga	cctaataagag	agacctgcga	accctcctgg	1860
tgtactggcc	cttttgatg	aagaatgctg	gttccctaaa	gccacagata	aaacctttgt	1920
tgaaaaaactg	gttcaagagc	aagggtccca	ctccaagt	cagaaacctc	gacaattaaa	1980
agacaaaagct	gatttttgca	ttatacatta	tgcaagggaag	gtggactata	aggcagatga	2040
gtggctgatg	aagaatatgg	accccctgaa	tgacaacgtg	gccacccttt	tgaccagtc	2100
atcagacaga	tttgtggcag	agctttggaa	agatgtggac	cgtatcgtgg	gtctggatca	2160
agtcactggt	atgactgaga	cagcttttgg	ctccgcata	aaaaccaaga	agggcatgtt	2220
tcgtaccgtt	gggcaactct	acaaagaatc	tctcaccaag	ctgatggcaa	ctctccgaaa	2280
caccaaccct	aactttgttc	gttgatcat	tccaaatcac	gagaagaggg	ctggaaaatt	2340
ggtaccacac	ctagtccttg	atcagcttcg	ctgtaatggg	gtcctggaag	ggatccgaat	2400
ctgtcgccag	ggcttcctta	accgaatagt	tttccaggaa	ttcagacaga	gatatgagat	2460
cctaaactcca	aatgctattc	ctaaagggtt	tatggatggg	aaacaggcct	gtgaacgaat	2520
gatccgggct	ttagaatttg	acccaaactt	gtacagaatt	ggacagagca	agatattttt	2580
cagagctgga	gttctggcac	acttagagga	agaaagagat	ttaaaaatca	ccgatatcat	2640
tatcttcttc	caggccgttt	gcagagggtta	cctggccaga	aaggcctttg	ccaagaagca	2700
gcagcaacta	agtgccttaa	aggtcttgca	gcggaactgt	gccgcgtacc	tgaaattacg	2760
gcaactggcag	tggtggcgag	tcttcacaaa	ggtgaagccg	cttctacaag	tgactcgcca	2820
ggagggaagaa	cttcaggcca	aagatgaaga	gctgttgaa	gtgaaggaga	agcagacaaa	2880
ggtggaagga	gagctggagg	agatggagcg	gaagcaccag	cagcttttag	aagagaagaa	2940
tatccttgca	gaacaactac	aagcagagac	tgagctcttt	gctgaagcag	aagagatgag	3000
ggcaagactt	gctgctaaaa	agcaggaatt	agaagagatt	ctacatgact	tggagtctag	3060
ggttgaagaa	gaagaagaaa	gaaaccaaat	cctccaaaat	gaaaagaaaa	aaatgcaagc	3120
acatattcag	gacctggaag	aacagctaga	cgaggaggaa	ggggctcggc	aaaagctgca	3180
gctggaaaaa	gtgacagcag	aggccaagat	caagaagatg	gaagaggaga	ttctgcttct	3240
cgaggacca	aattccaagt	tcatcaaaga	aaagaaactc	atggaagatc	gcattgctga	3300
tggttcctct	cagctggctg	aagagggaaga	aaaggcgaaa	aacttgacca	aaatcaggaa	3360
taagcaagaa	gtgatgatct	cagattttag	agaacgctta	aagaaggaa	aaaagactcg	3420
tcaggaaactg	gaaaaggcca	aaagaaaact	cgacggggag	acgaccgacc	tgaggacca	3480
gatcgagag	ctgcagcgcg	agattgatga	gctcaagctg	cagctggcca	agaaggagga	3540
ggagctgag	ggcgcaactg	ccagagggtga	tgatgaaaca	ctccataaga	acaatgccct	3600
taaagtgtg	cgagagctac	aagcccaa	tgctgaactt	cagggaagact	ttgaatccga	3660
gaaggcttca	cggaaacaag	ccgaaaagca	gaaaagggac	ttgagtggag	aactggaagc	3720
tctgaaaaca	gagctggagg	acacgctgga	caccacggca	gcccagcagg	aactacgtac	3780
aaaacgtgaa	caagaagtgg	cagagctgaa	gaaagctctt	gaggaggaaa	ctaagaacca	3840
tgaagctcaa	atccaggaca	tgagacaaa	acacgcaaca	gccctggagg	agctctcaga	3900
gcagctggaa	caggccaagc	ggttcaaagc	aaatctagag	aagaacaagc	agggcctgga	3960

gacagataac	aaggagctgg	cgtgtgaggt	gaaggctcctg	cagcaggtca	aggctgagtc	4020
tgagcacaag	aggaagaagc	tcgacgcgca	ggtccaggag	ctccatgcca	aggtctctga	4080
aggcgacagg	ctcagggtgg	agctggcgga	gaaagcaagt	aagctgcaga	atgagctaga	4140
taatgtctcc	acccttctgg	aagaagcaga	gaagaagggt	attaaatttg	ctaaggatgc	4200
agctagtctt	gagtctcaac	tacaggatāc	acaggagctt	cttcaggagg	agacacgcca	4260
gaaactaaac	ctgagcagtc	ggatccggca	gctggaagag	gagaagaaca	gtcttcaggga	4320
gcagcaggag	gaggaggagg	aggccaggaa	gaacctggag	aagcaagtgc	tggccctgca	4380
gtcccagttg	gctgatacca	agaagaaaagt	agatgacgac	ctgggaacaa	ttgaaagtct	4440
ggaagaagcc	aagaagaagc	ttctgaagga	cgcgaggagg	ctgagccagc	gcctggaggga	4500
gaaggcactg	gcgtatgaca	aactggagaa	gaccaagaac	cgctgcagc	aggagctgga	4560
cgacctcacg	gtggacctgg	accaccagcg	ccaggctcgcc	tccaacttgg	agaagaagca	4620
agaagaagtt	tgaccagctg	ttagcagaag	agaagagcat	ctctgctcgc	tatgccgaag	4680
agcgggaccg	ggccgaagcc	gaggccagag	agaaagaaac	caaagccctg	tacttgcccc	4740
ggggccctcga	ggaagccctg	gaggccaagg	aggagtgtga	gaggcagaac	aagcagctcc	4800
ggcagacat	ggaagacctc	atgagctcca	aagatgatgt	gggaaaaaac	gttcacgaac	4860
ttgaaaaatc	caaacggggc	ctagagcagc	aggctcggagg	aaatgaggac	ccagctggag	4920
gagctggaag	acgaactcca	ggccacggaa	gatgccaaag	ttcgtctgga	ggtcaacatg	4980
caggccatga	aggcgagtt	cgagagagac	ctgcaaacca	gggatgagca	gaatgaagag	5040
aagaagcggc	tgctgatcaa	acagggtcgg	gagctcgagg	cgagctgga	ggatgagagg	5100
aaacagcggg	cgcttgctgt	agcttcaaag	aaaaagatgg	agatagacct	gaaggacctc	5160
gaagcccaaa	tcgaggctgc	gaacaaagct	cgggatgagg	tgattaagca	gctccgcaag	5220
ctccaggctc	agatgaagga	ttaccaacgt	gaattagaag	aagctcgtgc	atccagagat	5280
gagatttttg	ctcaatccaa	agagagtga	aagaaattga	agagtctgga	agcagaaatc	5340
cttcaattgc	aggaggaaact	tgccctcatct	gagcgagccc	gccgacacgc	cgagcaggag	5400
agagatgagc	tggcggacga	gatcaccaac	agcgccctctg	gcaagtccgc	gctgctggat	5460
gagaagcggc	gtctggaagc	tcggatcgca	cagctggagg	aggagctgga	agaggagcag	5520
agcaacatgg	agctgctcaa	cgaccgcttc	cgcaagacca	ctctacaggt	ggacacactg	5580
aacgccgagc	tagcagccga	gcgcagcgcc	gcccagaaga	gtgacaatgc	acgccagcaa	5640
ctggagcggc	agaacaagga	gctgaaggcc	aagctgcagg	aactcgaggg	tgctgtcaag	5700
tctaagttca	aggccaccat	ctcagccctg	gaggccaaga	ttgggcagct	ggaggagcag	5760
cttgagcagg	aagccaagga	acgagcagcc	gccaacaaat	tagtccgtcg	cactgagaag	5820
aagctgaaaag	aaatcttcat	gcaggttgag	gatgagcgtc	gacacgcgga	ccagtataaa	5880
gagcagatgg	agaaggccaa	cgctcgggatg	aagcagctta	aacgccagct	ggaggaagca	5940
gaagaagaag	cgacgcgtgc	caacgcattct	cggcgtaaac	tccagcggga	actggatgat	6000
gccaccgagg	ccaacgaggg	cctgagccgc	gaggtcagca	ccctgaagaa	ccggctgagg	6060
cggggtggcc	ccatcagctt	ctcttccagc	cgatctggcc	ggcgccagct	gcaccttgaa	6120
ggagcttccc	tggagctctc	cgacgatgac	acagaaagta	agaccagtga	tgtcaacgag	6180
acgcagccac	cccagtcaga	gtaaagttgc	agggaagccag	aggaggcaat	acagtgggac	6240
agttaggaat	gcacccgggg	cctcctgcag	atttcggaaa	ttggcaagct	acgggattcc	6300
ttcctgaaaag	atcaactgtg	tcttaaggct	ctccagccta	tgcatactgt	atcctgcttc	6360
aaacttaggt	acaattgctc	ccctttttat	atacagacac	acacaggaca	catatattaa	6420
acagattggt	tcatcattgc	atctattttc	catatagtca	tcaagagacc	attttataaa	6480
acatggtaag	acccttttta	aaacaaactc	caggcccttg	gttgcgggtc	gctgggttat	6540
tggggcagcg	ccgtggtcgt	cactcagtcg	ctctgcatgc	tctctgtcat	acagacaggt	6600
aacctagttc	tgtgttcacg	tggccccga	cgactcagcc	acatcaagtc	tcctagacca	6660
ctgtggactc	taaactgcac	ttgtctctct	catttccttc	aaataatgat	caatgctatt	6720
tcagtgagca	aactgtgaaa	ggggcttttg	aaagagttagg	aggggtgggc	tggatcgga	6780
gcaacaccca	tttggggtta	ccatgtccat	cccccaaggg	gggcoctgcc	cctcgagtcg	6840
atgggtgtccc	gcatctactc	atgtgaactg	gccttggcga	gggctggtct	gtgcatagaa	6900
gggatagtgg	ccacactgca	gctgaggccc	cagggtggcag	ccatggatca	tgtagacttc	6960
cagatggtct	cccgaaccgc	ctggctctgc	cggcgccctc	ctcacgtcag	gagcaagcag	7020
ccgtggaccc	ctaagccgag	ctgggtggaag	gccccctccc	gtcgccagcc	gggcccctcat	7080
gctgaccttg	caaattcagc	cgctgctttg	agcccaaaat	gggaatatattg	gttttgtgtc	7140
cgaggcttgt	tccaagtttg	tcaatgaggt	ttatggagcc	tccagaacag	atgccatctt	7200
cctgaatggt	gacatgccag	tgggtgtgac	tccttcattt	ttccttctcc	cttccctttg	7260
ggacagtgtt	acagtgaaac	acttaggcac	cctgtttttg	gttggtagtt	taaggcaaac	7320
tgacattttac	gggaaagttg	ccttaggaca	ctacagtact	aagacaatgt	tgaatatatc	7380

```
attgcctct ataacaattt aatgtattca gttttgactg tgcttcatat catgtacctc 7440
tctagtcaaa gtgggtattac agacattcag tgacaatgaa tcagtgttaa ttctaaatcc 7500
ttgatcctct gcaatgtgct tgaaaacaca aaccttttgg gttaaaagct ttaacatcta 7560
ttaggaagaa tttgtcctgt gggtttggaa tcttgattt tcccccttta tgaactgtac 7620
tggtgtgtga ccaccagaca cctgaccgca aatatctttt cttgtattcc catatttcta 7680
gacaatgatt tttgtaagac aataaattta ttcattatag ataaaaaa 7728
```

```
<210> 6301
<211> 2228
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1973)...(823)
<223> similar to gi624964 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters
```

```
<400> 6301
tttttttttt ttgcatttat aaaaactggc agatttatct tgcaggggcc cattttcaag 60
aagctaaagg tgaagggtggg aggggagaaag tttcctcccc ttctcctttc tccctcatct 120
tatttcctcc aaggggtaaa aaaaatggcc tggaccccaa aacctaccca aataaaaaat 180
caaaaaactg aggttccaaa aggttacagc atcttatctt ctcatagaaa aggggaagga 240
gccagaggga aggggagtc ctgggggtggg gggatatctc acccccagcc cggtagagaca 300
tccccctccc ttaaatagct gccccaaatg gggcaagccc agggctatag catttaaaaa 360
ctcccacatc ccattttatc aaaaccaaag agaaaaaaa atttcccttt tccccaaaa 420
cccaaataata tatatatatt tttttcttaa aaaaaccaa actttgaagg cattaagcgt 480
taaagtgaat ctagaacaag ggaatgtgaa attccctcct tccttcccc ttctgtggg 540
gttcattggt gcatccccag cagagggacc ggccccagg ggatggcaga ggggaaggac 600
caaagggaga aaaggcgagg ggcctcccca gccaatcagc agccagtgtg ggtgtgagca 660
gggaagccac acccccttgg agttttccaa gtgggatggg gagtgggaac gatgcattcc 720
tgtgtagtct tcagccaatt ccaagtcaag tagaggcagg gaaagcagg tgacaggccg 780
ggtgtgcgga aaggagaagc gggctctctg ggtccctgtg gtcagggaga accccgcttc 840
ctcagctcct ggacgaaggc ttcaatgatt tcctctttca ctttctgcaa ttccttcttc 900
acctcttcca gaagctcctg tttcacctc tgtagggtcc agtaatcact ggagctgggc 960
gtgcagggtt ggggtctcgga agtggtcacc gaagaagacg acttcacctc tggcaagggt 1020
gtgctgttct tctcccaggg tctccgcaca gattcactct gggccgggac tctggcctct 1080
ggctcctcct gattggcaga ttcaccttg ggggttttct cccaacttg cgtggctttc 1140
cttctccggg ccagcatggc gttcatctct tccatgagtc cccacctcc gcttcgacca 1200
ctctcagctt tgggggctgt gggccccgt gaaggcctcc tctgcttgc tgactttcct 1260
gagtttggtc ccagcaatag ctgcggccag gcctggggcc ccagctcccc caccaccagg 1320
gccctgtgct gccgggagag ggggtgcag ggggtgtcct cccctgctc cgtgcgtgc 1380
agctgggacc cccgaagggg gcaaacctgg ggggtggggg ggacctggag gagggggagg 1440
tcctggtggt ggggggtggac cccagcggg gggagcagg gggcctcctg cattggagac 1500
ccggcgctct atgtgctccg acgggcccgg ctgctgcctt ttctgctgct ccacctctc 1560
cggggagggg ccgttcggga ccgaccagg ggggaagtgt ggggggtggag gggggccacc 1620
tcccttccaa cgctctagg gcactggcca tgccggcgcc aaactgggcc gcatcctcct 1680
tgctgccgaa gttgaggccc cagacctgg cgagcgctgc gccactgat ggaagttggg 1740
ggtggcctgg ttatacttga cccccggac gatggcacag ttgatgacca cctgctggtc 1800
gggctgcatc ttccggccca cgacgcgaaa ggaattggcc gtgggggtgt ggtagatctg 1860
```



gaaaaggaaa	gcgtttttgt	agcccacccat	ctacagcttt	actgtaaaac	cttgtcttat	1560
tcgagaactt	gggtaaaatc	tggnnttttt	aaaggaatca	taatcattgt	gtattttatac	1620
ttaaaaacac	acaatgttaa	aaaaaaataa	agcactttat	ccaattaggc	caagattttaa	1680
cattgttgac	agtcctgtag	ctattttatc	ataattttatt	atcaatatatt	tacattaatt	1740
gtttcacagt	tgccaattac	ttggccttaa	ggggtaaaaa	gtaccatata	cactaaacct	1800
caacccgcta	aaggcagatg	caaaaaattta	cctcacctaa	attggaactt	cttggcatac	1860
tttccattac	tgacttgagg	ttgtctttct	ttcatatcac	ttatgggggt	tggggaataa	1920
ggagctgttt	gcctattccc	tggttaatgat	ggttggtgtt	aagaatcttc	ctcgtcacgt	1980
ttgtgttcag	atctcttatg	ttataattag	atcagagact	ggtagcatcg	tttctctctc	2040
tgaaagcacc	agtgcccaga	gtctgctcgg	taataaaaatt	atgggatcca	gattgttctg	2100
agagacggag	gatacttgct	gcttgataga	ggtgaaaacg	agattgatcc	gtctgggggt	2160
ttacgggtgtg	cactgggtgc	tgacacagact	tgtcaagggt	tgctacgtcc	tctggggcat	2220
ctgcaaaagg	ccctgctctc	tggaagtgtt	tatatagtgt	agcaaaagag	tatttataca	2280
tcccaccaat	caaaacacag	ctttattacc	tcatgcgaac	tcatacaaac	caatagaatt	2340
tcaacatggt	ctgtagctta	gagtgtctac	ttactacctc	tgaacaatac	tcacgtgta	2400
gtttgtctct	ttcttatctt	tttgcattct	gtaattaaact	ctttgtttcc	cttcataaaa	2460
tgtaatgtac	attgtaattc	tttaaaaagaa	aaatcagggt	tgactttgca	acttttataaa	2520
aaccgagtgt	ggaaacattg	ggtcttaatt	caacacagga	tcggtaaaaac	tggtgtaaat	2580
actgagaaac	attttgaatg	ttcttcatct	tattactaat	ccatgcaaaa	aaaaaa	2636

<210> 6303

<211> 609

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (11)...(330)

<223> similar to gil488610 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 6303

cgggacgcgc	atgcagacgc	aggcggaggc	gctgacggcg	gggatggccg	gggtggccac	60
agctggcgcg	ggggcggtga	cacagccgca	gctccggccg	gtggagctcc	cccagcgcac	120
gcgccaggtc	cgggcagaga	cgccgcgtct	gcggccaggg	ggtcacgaat	gcggccgcac	180
atattcaccc	tcagcgtgcc	tttcccagcc	cccttgaggg	cggaaatcgc	ccatgggtcc	240
ctggcaccag	atgccgagcc	ccaccaaagg	gtggttgagg	aggatctcac	agtgagtggc	300
aggatcctgg	tcgtccgctg	gaaagctgaa	gactgtcgcc	tgctccgaat	ttccgtcatc	360
aactttcttg	accagctttc	cctgggtggg	tgcgaccat	gcagcgcttt	gggccccccg	420
tttcccgcga	agcctggcct	gggcaaatgg	agcgagggtc	cactttgcgt	ctccttgtag	480
gcagtgcgtc	cacctctccc	tagggcagga	attcccacag	ttgctacttt	cctgggaggg	540
cctcatgttt	tatctgggtc	ttaaatgttt	gttactacag	aaaataaaac	tgcgctacta	600
aaaaaaaa						609

<210> 6304

<211> 1533

```

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1499)...(680)
<223> similar to gi31463 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 6304
ttttttttttt ttcacagctt caagcctttt attccatttt ggtaggtttg tataaaaata      60
ctctcttttag gaaaataaat agcagctgcc ctcgctgtgg aggcttggat tccctggagc      120
tgaaggcttc tcaaagctga gatccgcaga tcagctcatc acagaagcca agggcgctc      180
ctgagctgtg cggttcagga gggggcggca gaatggcctg gtccaatcac ctgctgctgc      240
tggcagtggg gctggtgagt tagtgttcta ggtgggtaaa gtggcacctt ctgtcaggag      300
atagggttgg gtggatcaca ggaagagggg gatggagagt gtggcagtga tctggaaggg      360
gttagggctc cagagcccct ctaaggatct acaaagtctg tgggcttcca ggattcctcc      420
ggcagaaatg ggaaatat tgtctctgat ttagtgcaaa ttgtgctaga gaggccagct      480
ctagagaaac aatgggcagc tttggtggcc ccaagctggc tctactgtga agcacaatat      540
ggttagtctc attagagggg tggagaagca gctgctggag ttgggtatgg gatactgtcc      600
aggccagctg gactggtggg ggaaggggag cagacgttgc ttaggggtggc acctgcaggg      660
agtaaggctc ggggtgcctca caaagcgagg aggggtggag agccaagggg gtcagaggat      720
gggtctccgc tgctgctgct actcttgcca tgagctgagg cacaaggctc aggagtgtgt      780
gggtaggtga agcccaggct gggggtgaaa ggagttaggg aggggtgtgg catgagtgtg      840
gggtgtgca gtgcctcagg ttcaagcaca ggccctgggg aaagggagat acaaggtaca      900
gggcggcagg gggctggtgg gctgctggtg ccactggtag tgctgtgtc cccctccttg      960
gctccttccg ggattttgca gatgggtcgg tgggcttcca gcaccagctc taggcgctcc     1020
ttctgcttct gcagctcctc aatctctcgc tccttcctcc gggtcctgca cttggccgca     1080
tcagtctccg cctgcaggaa gtcggtcagt tccttcctcc gggtcctgca cttggccgca     1140
gccagcttgt tccgctcgcg ccttactcgg cggcgctcct ctctcctcgg gctgatctgt     1200
tcacaaggcc ttcgacgtac ccctggaggc ggccccaggg cccggatgac ttccttggcc     1260
ggggtgtgtg ggggtgtgac tgagggtagg tcagaggcct ggggtaacct gctggggccc     1320
aggaaatgag gctgtaccat ccactgcagc tcctgactgc cactcatggg gttgatgctt     1380
ggcaccaggt ggaacttctg ctgggctgcc tgcgctgcgg ccgggggctg cgcggggccc     1440
ccgtaccgcg cgccgttccc ggagctcggg ccgggttccc cgaagtctcg gaacatgccc     1500
ggggctggcg gctctgcggg gtacacggct gct                                     1533

```

```

<210> 6305
<211> 2232
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(2233)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (213)...(1543)

```

<223> similar to gi2765411 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 6305

```
gcggggccgcc gtacgccccg ggctgcggct ctccccgcgtg ggccgcgggcc gctcggctcc 60
gcgggcagcc gcgcgcgtcct gccccgcgcg cgcgctagcc gctgtcggcc gcaggagccc 120
cgggaatctg gaggggcccgt ggggcggagg gcggggcctg cgggcggacg gcggccgaag 180
ccgcacggga gacgacgagg aggagccgga agatgcggac gagaacgccg aggaggagct 240
gctgcgggga gagcctctgc tgccggcggg gacccagcgc gtgtgtcttg ttcaccctga 300
cgtcaagtgg ggcccgggga agtcgcagat gactcgagcc gagtggcagg tggcggaggc 360
cacagcgctg gtgcacacgc tggacggctg gtccgtggtg cagacaatgg tcgtgtccac 420
caaaacgccg gacaggaagc tcatctttgg caaagggaac tttgagcacc tgacagaaaa 480
gatccgaggg tctccagaca tcacgtgcgt ctctcctgaac gtggagagga tggctgcccc 540
gaccaagaaa gaactggaag ccgcctgggg cgtggagggtg tttgaccgct tcacggctcgt 600
cctgcacatc ttccgctgta acgcccgcac gaaggaggcc cggcttcagg tggccctggc 660
ggagatgccg ctgcacaggt cgaacttgaa aagggacgtc gccacactgt accgaggagt 720
cggctcgcgc tacatcatgg ggtcaggaga atccttcatg cagctgcagc agcgtctcct 780
gagagagaag gaggctaaga tcaggaaggc cttggacagg cttcgcaaga agaggcacct 840
gctccgccgg cagcggacga ggcgggagtt ccccgatgac tccgtggtgg ggtacaccaa 900
ctgcggaaaag accacgctga tcaaggcact gacgggcatg gccgccatcc agccacggga 960
ccagctgttt gccacgctgg acgtcacgtg cccacgcggg cacgctgccc tcacgcatga 1020
ccgtcctgta cgtggacacc atcggcttcc tctcccagct gccgcacggc ctcatcgagt 1080
ccttctccgc caccctggaa gacgtggccc actcggatct catcttgcaac gtgagggacg 1140
ttcagccacc ccgagggcgg agctccagaa atgcagcgtt ctgtccacgc tgcgtggcct 1200
gcagctgccc gccccgctcc tggactccat ggtggagggt cacaacaagg tggacctcgt 1260
gcccgggtac agccccacgg aaccgaacgt cggtgncctg gtctgccctg cggggccacg 1320
gggctccagg agctgaaagc tgagctcgat gcggcggttt tgaaggcgac ggggagacag 1380
atcctcactc tccgtgtgag gctcgcaggg gcgcagctca gctggctgta taaggaggcc 1440
acagttcagg aggtggacgt gatccctgag gacggggcgg ccgacgtgag ggtcatcatc 1500
agcaactcag cctacggcaa attccggaag ctctttccag gatgaacgga cgcccacaga 1560
ggcctgcggg gtgggggcat cgctgcctgg ggagctgagg cgttaccgct gtgttggggg 1620
cagcttggtg tcaggtgcag cagggtcctc cttgtctggt tctgcacccg tctcgctccc 1680
agccatttgc tgggatgacc gtgcaggccg gtgacacggc cgcacctgcc ccaaagcggg 1740
ccgcccagac gtccactcca agcctgagca tccacacaat tccagtgggc cctcgtgcc 1800
tgctgtgaac tgctttccct cggaatgttt ccgtaacagg acattaaacc tttgttttta 1860
cttccgtgag cagcatttcc agttcctcct gcacctgccg tgagccgtgg ccctggtggg 1920
caccgacggc ccctccgccc ggctgtctgt gttcacagat ggtctcgggt tcccatggtg 1980
gtgtcgggga aatgacgaaa aatcaggttt cccggcagca cagagaacct ttccacaaaa 2040
gtagaaggga aagcaaatag ttttactaaa gaagcagctt caaaccagac cgtgagccac 2100
cgcacccggc ctctttagat taacattttc taaagatgcc tccggcgtgc ttatccttga 2160
aagctgccag aggtgtcttg gctgcattgg tggtataaaa attcatactc atatttgact 2220
ttaaaaaaaaa aa 2232
```

<210> 6306

<211> 2551

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature





<210> 6307  
 <211> 3482  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <221> misc\_feature  
 <222> (81)...(1926)  
 <223> similar to gi3769610 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 6307  
 ctgctgccgc cgccgccgcc gccgtccctg cgtccttcgg tctctgctcc cgggacccgg 60  
 ctccgccgca gccagccagc atgtcgggga tcaagaagca aaagacggag aaccagcaga 120  
 aatccaccaa tgtagtctat caggcccacc atgtgagcag gaataagaga gggcaagtgg 180  
 ttggaacaag ggggtgggttc cgaggatgta ccgtgtggct aacaggctctc tctgggtgctg 240  
 gaaaaacaac gataagtttt gccctggagg agtaccttgt ctcccatgcc atcccttggt 300  
 actccctgga tgggggacaat gtccgtcatg gccttaacag aaatctcgga ttctctcctg 360  
 gggacagaga ggaaaatatc cgccggattg ctgaggtggc taagctgttt gctgatgctg 420  
 gtctgggtctg cattaccagc tttattttctc cattcgcaaa ggatcgtgag aatgcccgca 480  
 aaatacatga atcagcaggg ctgccattct ttgaaatatt tgtagatgca cctctaaata 540  
 tttgtgaaag cagagacgta aaaggcctct ataaaagggc cagagctggg gagattaaag 600  
 gatttacagg tattgattct gattatgaga aacctgaaac tcctgagcgt gtgcttaaaa 660  
 ccaatttgtc cacagtgagt gactgggtcc accaggtagt ggaacttctg caagagcaga 720  
 acattgtacc ctatactata atcaaagata tccacgaact ctttgtgccg gaaaacaaac 780  
 ttgaccacgt ccgagctgag gctgaaaactc tcccttcatt atcaatatac taagctggat 840  
 ctccagtggg tccaggtttt gagcgaaggc tggggccactc ccctcaaagg tttcatgctg 900  
 gagaaggagt acttacaggt tatgcacttt gacaccctgc tagatgatgg cgtgatcaac 960  
 atgagcatcc ccattgtact gcccgctctc gcagaggata agacacggct ggaagggtgc 1020  
 agcaagtttg tcctggcaca tgggtggacgg agggtagcta tcttacgaga cgctgaattc 1080  
 tatgaacaca gaaaagagga acgctgttcc cgtgtttggg ggacaacatg tacaaaacac 1140  
 ccccatatca aaatggtgat ggaaagtggg gactggctgg ttgggtggaga ccttcaggtg 1200  
 ctggagaaaa taagatggaa tgatgggctg gaccaatacc gtctgacacc tctggagctc 1260  
 aaacagaaat gtaaagaaat gaatgctgat gcggtgtttg cattccagtt gcgcaatcct 1320  
 gtccacaatg gccatgccct gttgatgcag gacactcgcc gcaggctcct agagaggggc 1380  
 tacaagcacc cggtcctcct actacaccct ctgggcggtc ggaccaagga tgacgatgtg 1440  
 cctctagact ggcggatgaa gcagcacgcg gctgtgctcg aggaaggggt cctggatccc 1500  
 aagtcaacca ttgttgccat ctttcctgtc cccatgttat atgctggccc cacagaggtc 1560  
 cagtggcact gcaggctccc gatgattgag ggtgccatt tctacattgt ggggagggac 1620  
 cctgcaggaa tgccccatcc tgaaaccaag aaggatctgt atgaaccac tcatgggggc 1680  
 aaggctctga gcatggcccc tggcctcacc tctgtgaaa tcattccatt ccgagtggct 1740  
 gcctacaaca aagccaaaaa agccatggac tctatgatac cagcaaggca caatgagttt 1800  
 gacttcatct caggaactcg aatgaggaag ctgcgccggg aaggagagaa tccccagat 1860  
 ggcttcatgg cccccaagc atggaaggtc ctgacagatt attacaggtc cctggagaag 1920  
 aactaagcct ttggctccag agtttctttc tgaagtgtc tttgattacc ttttctat 1980  
 ttatgattag atgctttgta ttaaattgct tctcaatgat gcattttaat cttttataat 2040  
 gaagtaaaag ttgtgtctat aattaaaaaa atatatatat atatacacac acacatatac 2100  
 atacaaagtc aaactgaaga ccaaatctta gcaggtaaaa gcaatattct tatacatttc 2160  
 ataataaaat tagctctatg tattttctac tgcacctgag caggcaggtc ccagatttct 2220  
 taaggctttg tttgaccatg tgtctagtta cttgctgaaa agtgaatata ttttccagca 2280

tgtcttgaca	acctgtactc	ttccaatgtc	atztatcagt	tgtaaaatat	atcagattgt	2340
gtcctcttct	gtacaattga	caaaaaaaaa	aatttttttt	tctcactcta	aaagaggtgt	2400
ggctcacatc	aagattcttc	ctgatatttt	acctcatgct	gtacaaagcc	ttaatgttgt	2460
aatcatatct	tacgtgttga	agacctgact	ggagaaacaa	aatgtgcaat	aacgcgaatt	2520
ttatcttaga	gatctgtgca	gcctatttct	gtcacaaaag	ttatattgtc	taataagaga	2580
agtcttaatg	gcctctgtga	ataatgtaac	tccagttaca	cggtgacttt	taatagcata	2640
cagtgatttg	atgaaaaggac	gtcaaacaat	gtggcgatgt	cgtgggaaag	ttatctttcc	2700
cgctctttgc	tgtggtcatt	gtgtcttgca	gaaaggatgg	ccctgatgca	gcagcagcgc	2760
cagctgtaat	aaaaaataat	tcacactatc	agactagcaa	ggcactagaa	ctggaaaaga	2820
ccacagaaaa	caaaagaatcc	aaccctttca	tcttacaggt	gaacaaactg	tgatgatgca	2880
catgtatgtg	ttttgtaagc	tgtgagcacc	gtaacaaaat	gtaaatTTTgc	cattatttagg	2940
aagtgtctgt	ggcagtgaag	aagcaccag	gccacttgac	tcccagctctg	gtgccctgtc	3000
tacaccagac	aacacaggag	ctgggtcaga	ttccctcag	ctgcttaaca	aagttcctcg	3060
aacagaaagt	gcttacaaag	ctgccttctc	ggatactgaa	aggtcgagtt	ttctgaactg	3120
cactgatttt	attgcagttg	aaaaaaaaaa	aaagctattc	caaaaatttc	aagctgttct	3180
gagacatctt	ctgatggcct	tacttcctga	gaggcaatgt	tttttacttt	atgcataatt	3240
cattgttgcc	aaggaataaaa	gtgaagaaac	agcacctttt	aatatatagg	tctctctgga	3300
agagacctaa	attagaaaaga	gaaaactgtg	acaattttca	tattctcatt	cttaaaaaac	3360
actaatctta	actaacaaaa	gttcttttga	gaataagtta	cacacaatgg	ccacagcagt	3420
ttgtctttaa	tagtatagtg	cctataactca	tgtaatcggt	taatcactac	tgccctttaa	3480
aa						3482

<210> 6308

<211> 6617

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(6618)

<223> n = a,t,c or g

<220>

<221> misc\_feature

<222> (389)...(1418)

<223> similar to gi5689439 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 6308

cgtcccggaa	ttctcgggtc	gacgatttctg	tgtgtcgaag	aaacctgact	gcgccctgag	60
gagaacagcg	gagaagggtcc	accgagcctg	gcgaaagggtc	cgctgagcgg	gctgtcgtcc	120
ggagccactc	cgggctgcgg	agcaccagct	ggagaccgcg	cctgggtcag	gtgtgggacc	180
ccatccttcc	tgtcttcgca	gaggagtcct	cgcgtgaaat	aagcgggttt	tgaaaacaaa	240
aaaaagaagg	agtggaaagag	ggggccaggga	tccaggcctc	catccccaca	gaagtgaagc	300
tacagctggg	aggtctcctc	ccaccccaac	cgtcaccctg	ggtcccgcact	gcccacctcc	360
tcctcctccc	cctcccccca	acaacaacaa	caacaacaac	tccaagcaca	ccggccataa	420
gagtgcgtgt	gtccccaaca	tgaccgaacg	aagaagggtac	gagctctctg	aagagatcaa	480
caacttaaga	gagaagggtca	tgaagcagtc	ggaggagaaac	aacaacctgc	agagccaggt	540
gcagaagctc	acagaggaga	acaccacctt	tcgagagcaa	gtggaaccca	cccctgagga	600
tgaggatgat	gacatcgagc	tccgcggtgc	tgcagcagct	gctgccccac	cccctccaat	660

agaggaagag	tgcccagaag	acctcccaga	gaagttcgat	ggcaaccag	acatgctggc	720
tcctttcatg	gcccagtgcc	agatcttcat	ggaaaagagc	accagggatt	tctcagttga	780
tcgtgtccgt	gtctgtctcg	tgacaagcat	gatgaccggc	cggtgtgccc	gttgggcctc	840
agcaaaagctg	gagcgtctcc	actacctgat	gcacaactac	ccagctttca	tgatggaaat	900
gaagcatgtc	tttgaagacc	ctcagaggcg	agaggttgcc	aaacgcaaga	tcagacgcct	960
gcgccaaggc	atggggtctg	tcctcgacta	ctccaatgct	ttccagatga	ttgccccagg	1020
acctggattg	gaacgagcct	gcgctgattg	accagtacca	cgagggcctc	agcgaccaca	1080
ttcaggaggga	gctctcccac	ctcgaggtcg	ccaagtcgct	gtctgctctg	attgggcagt	1140
gcattcacat	tgagagaagg	ctggccaggg	ctgctgcagc	tcgcaagcca	cgctcgccac	1200
cccgggcgct	ggtgttgcc	cacattgcaa	gccaccacca	ggtagatcca	accgagccgg	1260
tgggaggtgc	ccgcatgcgc	ctgacgcagg	aagaaaaaga	aagacgcaga	aagctgaacc	1320
tgtgcctcta	ctgtggaaca	ggaggtcact	acgtgcacaa	ttgtcctgcc	aaggcctcaa	1380
agtcttcgcc	ggcgggaaac	tccccggccc	cgctgtagag	ggaccttcag	cgaccggggc	1440
agaaataata	aggtccccac	aagatgatgc	ctcatctcca	cacttgcaag	tgatgtccca	1500
gattcatctt	ccgggcagac	acaccctgtt	cgcccgagcc	atgatcgatt	ctggtgcttc	1560
tggcaacttc	attgatcacg	aatatgttgc	tcaaaatgga	attcctctaa	gaatcaagga	1620
ctggccaata	cttgtggaag	caattgatgg	gcgccccata	acatcgggcc	cagttgtcca	1680
cgaaactcac	gacctgatag	ttgacctggg	agatcaccga	gaggtgctgt	catttgatgt	1740
gactcagtct	ccattcttcc	ctgtcgtcct	aggggttcgc	tggctgagca	cacatgatcc	1800
caatatcaca	tggagcactc	gatctatcgt	ctttgattct	gaatactgcc	gctaccactg	1860
ccggatgtat	tctccaatac	caccattggt	cccaccacca	gcaccacaac	cgccactcta	1920
ttatccagta	gatggatacc	gagtttacca	accagtgaag	gattactatg	tccagaatgt	1980
gtacactcca	gtagatgagc	acgtctaccc	acatcaccgc	ctgggtgacc	ctcacataga	2040
aatgatacct	ggagcacaca	gtattcccag	tggacatgtg	tattcactgt	ccgaacctga	2100
aatggcagct	cttcgagatt	ttgtggcaaa	gaaatgtaaa	agatgggcta	attactccaa	2160
cgattgcacc	ctaattggagc	ccaaagtctt	cccaggtgaa	gaggggggtg	aaactgcaag	2220
tttcttatga	ttgccgagct	ccaaacaatt	ttactatcca	gaatcagtat	cctcgcctat	2280
ctattccaaa	tttagaagac	caagcacacc	tggcaacgta	cactgaattc	gtacctcaaa	2340
tacctggata	ccaaacatac	cccacatatg	ccgcgtaccc	gacctaccca	gtaggattcg	2400
cctggtaccc	agtgggacga	gacggacaa	gaagatcact	atatgtacct	gtgatgatca	2460
cttggaaatcc	acactggtag	cgccagcctc	cggtaccaca	gtaccgcgcg	ccacagccgc	2520
cgctccacc	accaccaccg	ccgccgcctc	catcttacag	taccctgtaa	atactgtcta	2580
tgtccttcag	gatctctgcc	ctcaaaatct	attcctgttc	agcttctcaa	tcagtgactg	2640
tgtgctaaat	tttaggctac	tgtatcttca	ggccacctga	ggcacatcct	ctctgaaacg	2700
gctatggaag	gttagggcca	ctctggactg	gcacacatcc	taaagcacca	aaagaccttc	2760
aacattttct	gagagcaaca	gagtatcttc	caataaatga	tctctcattt	ttccaccttg	2820
actgccaatc	taactaaaat	aattaataag	tttactttcc	agccagtcct	ggaagtctgg	2880
gttttacctg	ccaaaacctc	catcaccatc	taaattatag	gctgccaaat	ttgtgtttta	2940
acatttacag	agaagctgat	acaaacgcag	gaaatgctga	tttctttatg	gaggggggaga	3000
cgaggaggag	ggggacatga	cttttcttgc	ggtttcggta	ccctcttttt	aaatcactgg	3060
aggactgagg	ccttattaag	gaagccaaaa	ttatcggtgc	agtgtggaaa	ggcttccgtg	3120
atcctctcgc	tgcaccctta	gaaacttcac	cgtcttcaaa	ctccatttcc	atgggttctgt	3180
taattctcaa	ggagcagcaa	ctcgactggt	tctcccagga	gcaggaaaaa	cccttgtgac	3240
atgaaacatc	tcaggcctga	aaagaaaagt	ctctctcaga	tggactcttg	catgttaaga	3300
ctatgtcttc	acatcatggt	gcaaatcaca	tgtacccaat	gactccggct	ttgacacaac	3360
accttaccat	catcatgcca	tgatggcttc	cacaaagcat	taaacctggt	aaccagagat	3420
tactggtggc	tccagcgttg	ttagatgttc	atgaaatgtg	accacctctc	aatcaccttt	3480
gaggggctaaa	gagtagcaca	tcaaaaaggac	tccaaaaatcc	catacccaac	tcttaagaga	3540
tttgtcctgg	tacttcagaa	agaattttca	tgagtggtct	taattggctg	gaaaagcacc	3600
agctgacgtt	ttggaagaat	ctatccatgt	gtctgcctcc	atatgcatct	gggcatttca	3660
tcttcagtcc	cctcattaga	ctgtagcatt	aggatgtgtg	gagagaggag	aaatgattta	3720
gcaccagat	tcacactcct	atgcctggaa	gggggacatc	tttgaagaag	aggaattagg	3780
gctgtggaca	ctgtcttgag	gatgtggact	tccttagtga	gctccacatt	acttgatggt	3840
aaccacttca	aaaggatcag	aatccacgta	atgaaaaagg	tccctctaga	ggatggagct	3900
gatgtgaagc	tgccaatgga	tgaaaagcct	cagaaagcaa	ctcaaaggac	tcaaagcaac	3960
ggacaacaca	agagttgtct	tcagcccagt	gacacctctg	atgtcccctg	gaagctttgt	4020
gctaacctgg	gactgcctga	cttccttttag	cctgggtccct	tgctactacc	ttgaactggt	4080

tatatctaacc	tctcttttttc	tgtttaatttc	tttgctactg	ccattgaccc	tgctgcagga	4140
tttgtgtcat	tttctgcct	ggttgctgag	actccatttt	gctgccacac	acagagatgt	4200
aagaggcagg	ctttaattgc	caaagcacag	tttgagcagt	agaaaaaac	atggtgtata	4260
tctcaaattg	cctgacatga	agaggagtct	aacggtgaag	tttcactttt	catcagcatc	4320
atctttcaca	tgttcattat	catccgctct	tattcttgca	tgtttaaaca	cttaaaattt	4380
ttagtataat	ttttagtgtg	ttttgaagtg	gtgactaggc	tttcaaaaac	ttccattgaa	4440
ttacaaagca	ctatccagtt	cttattgtta	aactaagtaa	aatgataag	taacatagt	4500
taaaatattc	ctttactgtg	aacttcttac	aatgctgtga	atgagaggct	cctcagaact	4560
ggagcatttg	tataataatt	catcctgttc	atcttcaatt	ttaacatcat	atataatttc	4620
aattctatca	attgggcctt	taaaaatcat	ataaaaggat	ataaaatttg	aaaagagaaa	4680
cctaattggc	tatttaattcc	aaaacaactt	tttttttctt	tcaatggaat	cagaaagctt	4740
gtcaatcact	catgtgtttt	agagtaatta	cttttaaaat	ggtgcatttg	tgcttctgaa	4800
ctattttgaa	gagtcacttc	tgtttacctc	aagtatcaat	tcatectcca	tacatttgaa	4860
ttcaagttgt	tttttgtcaa	atttaccagt	gtcaattgat	cttcaagctg	cagggtgcct	4920
agaaatgggc	cgttgtctgt	agccctggca	gtgcacacg	gacattttgc	accactgcaa	4980
gcaaaagtct	ggagaagttc	accaacgaca	agaacgatta	ggaaaaatat	gctgctgtgg	5040
gttaacaact	cagaaagtcc	ctgatccaca	tttggtctgt	tactaaagct	tgtgattaac	5100
tttttggcag	tgtgtactat	gctctattgc	tatatatgct	atctataaat	gtagatgtta	5160
aggataagta	attctaaatt	tattattcta	tagttttgaa	gtttggttaa	gtttcctttc	5220
actcaattga	tttattttgt	tgtaaatcaa	atztatgtta	attggatcct	ttaaattttt	5280
tttggcattt	tccaacaaaa	atggctttat	tcataagaaa	ggaaaaaaat	caatggaatt	5340
tgatatctaa	agaagttaga	aaggggagcaa	aataaaaaac	ataaaggaga	tagatgaatt	5400
agtaagcaaa	tcagtagtgc	agtttttcaa	actggcaaaa	ttaattaatt	gacttttagc	5460
ccaaatttac	attgttaatt	aatcaagaa	ggaagaagat	ctaagagctc	ccattgatag	5520
gcaagcctag	agagaactag	ctaaatttat	catgctagga	tattgaaaca	cagaaagttt	5580
acatacattt	atgaagggtc	aatttagttt	ggacagtga	gtatttgtct	tagtggaaaa	5640
aaggagaatt	agtcctgatca	aatcgtgaag	taatacagtg	aacttgcagg	tgcaaaaaat	5700
aagaggcca	catctatatg	gtgcagctcg	gaattctgtt	taagtttcta	ggtacctctt	5760
ggacttctga	attgatccag	ttgtnattca	tcaccacag	acatctcaca	tcagatatac	5820
gacagttcca	agattgacaa	cagagaacaa	cctggctgga	aaagacctgg	ggcagaaatg	5880
ggagagccct	gcgggaaacc	atgctaccat	ttttcttcta	aagagagaat	gcacatctga	5940
tgagactgaa	agttctttgt	tgtttttagat	tgtaggaatg	gtattgaatt	ggtctgtgga	6000
aaattgcatt	gcttttattt	ctttgtgtaa	tcaagtttga	agtaataggg	ggatatataa	6060
tccatgaagg	cattttaggg	gtggggaggg	actatttaag	taatttttaa	gtgggggttg	6120
ggttatttag	gaattgttta	ggaattatat	tatgtattag	atatcgctat	aagtggacat	6180
gcgtacttac	ttgtaaccct	ttaccctata	attgctatcc	ttaaagattt	caaataaact	6240
cggagggaac	tgcaaggaga	ccaacttatt	tagagcgaat	tggacatgga	taaaaacccc	6300
agtgggagaa	agttcaaagg	tgatttagatt	aataatttaa	tagaggatga	gtgacctctg	6360
ataaattact	gctagaatga	acttgtcaat	gatggatggt	aaattttcat	ggaagttata	6420
aaagtgataa	ataaaaaccc	ttgcttttac	ccctgtcagt	agccctcctc	ctaccactga	6480
acccatttgc	ccctaccctc	ctctctaact	ttattgctgt	attctcttca	ctctatattt	6540
ctctctattt	gctaataattg	cattgctgtt	acaataaaaa	ttcaataaag	atttagtggt	6600
taagtgcaaa	aaaaaaa					6617

```
<210> 6309
<211> 4855
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (873)...(3093)
<223> similar to gi4589678 in the genepept database release 114.
```

Run with FASTXY 3.3t00, default parameters

<400> 6309

cggccgcccc	acgctctctg	ctcgcgcttg	ggctcgcgat	ggggaagaag	tcccgggchg	60
tacccggccg	taggcccac	ctgcaactct	ctccgcccgg	tcctcggggc	agcacgcccg	120
gccgggaccc	ggagccggaa	cccgaactg	agccggactc	aaccgcgggc	gtccccagcc	180
agcccgcccc	gtcggcgggc	acgaccaccg	cggtgactgc	cggcgcgggc	tcggacgact	240
cgccttcaga	agatgaacag	gaagcgggtg	aggaggttcc	tagagttgtt	cagaatcctc	300
caaaaccagt	catgaccact	agaccacag	ctgttaaagc	aacaggcggt	ctatgcttgc	360
ttggtgctta	tgctgacagt	gatgacgatg	acaatgatgt	ttccgaaaaa	ctagcacaat	420
ccaaagagac	aaatggaaac	cagtcaactg	atattgatag	tacattggcc	aacttcctag	480
cggagatcga	tgccataaca	gctcctcagc	ctgcagctcc	tgtaggagct	tctgctccac	540
ctccaaactcc	acctcgacca	gagccaaaag	aagcagcaac	atctaccctt	tcttcttcta	600
cttcaaatgg	aacagactcc	acccaaacat	ctggttgcca	atatgatact	cagtgttcac	660
tggcaggagt	cggaattgag	atgggcgatt	ggcaggaagt	ctgggatgag	aacacgggat	720
gttattatta	ttggaataca	caaacaaatg	aagtgacttg	ggagttaccc	caatatcttg	780
ccacacaggt	acagggatta	cagcattacc	agccagttc	tgtgccaggt	gctgaaacta	840
gttttgtggt	aaatacagac	atataattcta	aggagaaaac	gatttctgtt	tccagtagta	900
aaagtggacc	agtcatagcc	aagcgagaag	ttaaaaagga	agtaaataaa	ggaattcagg	960
ctctctcaaa	tagtgaggag	gagaagaaa	gggtggcagc	atcgctgctt	gctcctttat	1020
tgcttgaggg	aataaaagaa	gaagaagaga	gatggagaag	aaaagtaatt	tgtaaagagg	1080
agccagtttc	agaagtaaaa	gaaacaagta	caacagtaga	agaagcaaca	acaatagtaa	1140
agccacagga	aattatgttg	gacaatatag	aagacccttc	tcaggaggat	ctttgcagtg	1200
ttgtccaatc	tggagaaagt	gaggaggaag	aggaacaaga	tacccttgaa	ctggagctag	1260
ttttggaaa	gaaaaaagca	gagttgagc	ccttgaggga	aggagatggt	agtgtgtcag	1320
ggtctagtcc	acgttctgat	atcagccagc	cagcatctca	agatggaatg	cgtaggctta	1380
tgtctaaaa	aggaaaatgg	aagatgtttg	ttccgagcta	ccagttccag	aatctaccag	1440
taggagttct	agtaaaactg	gacgagatac	tccagaaaat	ggagaaaactg	caattggtgc	1500
tgaaaattca	gaaaaaatag	atgagaattc	agataaagag	atggaagtag	aagaatctcc	1560
agagaaaata	aaagtacaga	caacacccaaa	agtagaagaa	gaacaggatt	tgaaatttca	1620
gattggagaa	ctggcaataa	ccttgacaag	taaattcgag	tttctaggca	ttaatagaca	1680
atccatctcc	aactttcatg	tgtgtctctt	acagactgag	actcgaattg	cagactggcg	1740
ggaaggggct	cttaattgaa	actaccttaa	acgaaaactt	caggatgcag	cagaacaact	1800
aaaacagtat	gaaataaacg	ccactcctaa	aggctgggtc	tgccactggg	acagggatca	1860
tagacggtat	ttctatgtaa	acgaacagtc	gggcgagtct	cagtgggagt	ttccagatgg	1920
tgaagaggaa	gaagaagaaa	gccaaagcaca	agaaaataga	gatgagactc	ttgccaaaca	1980
gaccttgaaa	gacaaaactg	gcactgattc	aaattcaaca	gaatcctctg	aaacttccac	2040
aggttctctt	tgtaaagaat	ccttttctgg	tcaagtttct	tcttcatcac	tcatgcgcag	2100
cttcacctcc	atttctggac	cctccttcag	tcaaattgtt	ctgtgcttca	acctccatta	2160
cccttgggaa	atgccaccac	ccccacctcc	acctccagaa	tcacctccac	cccctcctcc	2220
accacctcct	cctgcggaag	atggtgagat	ccaggaggta	gagatggagg	atgagggaag	2280
tgaggagccc	cctgccccag	gaacagagga	agatacccct	ttgaaacctt	cagcacaac	2340
cacagttgta	actagccaga	gttcagttga	ttccaccatc	tctagtctct	cttccactaa	2400
aggaataaa	aggaaaagcta	cagaaattag	cctgcagtg	gttcagaggt	cagctacat	2460
tggcagttct	ccagttctct	atagccagtc	agctatagct	acaggtcacc	aggcagcagg	2520
gattggaaac	caggcaacag	gaattggaca	tcagacaata	ccagttagcc	ttccagcagc	2580
aggaatgggt	catcaggcca	gaggaaatgag	cctgcagtc	aattaccttg	gactagcggc	2640
agcacctgca	attatgagtt	atgcagaatg	ttctgtccca	attggagtga	ctgctccctc	2700
attgcagcca	gttcaggccc	gaggtgctgt	gcctaccgct	accattatag	aaccaccacc	2760
accacctcct	cctcctcctc	ctccaccacc	accagctccc	aaaatgccac	cacctgaaaa	2820
gacaaaaaaa	ggaaggaaa	acaaggcaaa	gaagagtaag	acaaaaatgc	catctttggt	2880
aaaaaagtgg	cagagtatcc	agcgtgagtt	agatgaagag	gacaattcta	gttccagtga	2940
agaggatcgg	gaatcaactg	cacagaagcg	aattgaagag	tggaaacagc	agcagctggt	3000
tagtggcatg	gcagagagaa	atgctaattt	tgaagccctt	cctgaggatt	ggagagcaag	3060

0040375 04300

```

gctgaagaga aggaaaatgg ctccaaacac atagttttta agttttttaa acttttttgt 3120
attattgttt gttttgtggt cagttcaaag tcttaaccag ttttattgtc aaataaacta 3180
taaattgttat gggggagatc ttataaattt cctgggcaag agtgtatgca taciaagttt 3240
tcacttttgt gaaatgtaat ttttctgttt ttgcaaaggg atgaggtgat tggaattgct 3300
ttgaccatgc tgccttttatt ctcaaactgg caaacttagc atgttaggtg tattaacctc 3360
atcagtcttg aagaacatgt ggctcatgag tataacactt ctgtagagga ctccctgaca 3420
aaagtgaaga attaacttct cctccagaac aagtgaattt cagaaggcag ctctgcattc 3480
taccttgctt gactggaatt gtctgaagct ttttctggcc tcttttctct agtcggccac 3540
ccctgaagtg ctgaggtcta agtggtttac ctctgtctga tagatggcca cactcttttag 3600
agtagttctc ataagttcta gaactggtag ctctgtctgt tcgcacacta ggtggcatac 3660
aggcagcagc aggtgttcat atccttgatt ttgagaattt cccctcaagt atgtggcagt 3720
aaatacaaca agacactcta tgtattaatg tctccattgt ctttaacctg ttccaaaaca 3780
aaattcacct cctttcttta tgtgaatgta ttctccataa aattccagta tttaaaaagc 3840
agtttactgt tctgtacttt ctgttgatc acaatcaggt aaaagtcact ttaaactgag 3900
gaaacggcaa atttgtgttt aaagctcttt gtatttctcc agtttctgac cttgtaaatt 3960
tgtatatatg cactaataaa gcttttttta taatcctgat gggttatcct tttgctcgtc 4020
aactcctgtt attctgatta tgtaaccagg acttggtttt ttttctaagc atatacaatg 4080
caaggggcaa acatttaaca acagctttca agaaaatgag caggagaatc attgaaccca 4140
ggaggcggag gttgtggtgg gccaatatca caccattgca ctccaacctg ggcaacaaga 4200
gcaagagtcc atctaaaaaa agagctgtat ataccacttt aatctgtcct tgggcttcag 4260
acttaatat tctcttaaac agcaaaaata ctaactaagt taaattttaa agcaaggaga 4320
agcatcattg taatacgaca tccatgtgta ttcaaactag aattttctga tggctctcgt 4380
aagataaagg agataattgt catttctatg acacagcttt tataatttga ataaacttag 4440
ttggagattg gagtattttt attattttat ttcatgtgag atgggtaatg tgctgacctc 4500
ataacaaagt ttgagggaga cacattgtat gtgagaattt gaagtgccta tgaagtacaa 4560
aagcagaggc caggtgctca catctgtaat ccagcactt tgggaggcca aggcacacag 4620
atcacttgag gtcaggagt ttgagaccagc ctggccaaca tggcgaaaac ccctctctta 4680
ctaaaaatac aaaaatttagc tggatgtggt ggtgtgggcc tgtaatccca gctactcgcg 4740
aggctgaggc aggagaatcg cttgaacctg gcaggcagag gttgcggtga gccaaagattg 4800
cgtcactgca ctccggcgtg gacaagagag tgagactccg tcacaaaaaa aaaa 4855

```

```

<210> 6310
<211> 6302
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(6303)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (113)...(3050)
<223> similar to gi3043658 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 6310
tctggaattc cggggtcgac gatttcgtct cggccgcggc tctgtgccct tgctgctgag 60
ggccacttcc tgggtcattc ctggaccggg agccgggctg gggctcacac gggggctgcc 120

```

cgcggtggccg	tctcggcgcc	tgcgtgacct	ccccgccggc	gggatgtggc	gactacgtcg	180
ggccgctgtg	gcctgtgagg	tctgccagtc	tttagtgaaa	cacagctctg	gaataaaaagg	240
aagtttacca	ctacaaaaac	tacatctggt	ttcacgaagc	atztatcatt	cacatcatcc	300
taccttaaag	cttcaacgac	cccaattaag	gacatccttt	cagcagttct	cttctctgac	360
aaaccttcct	ttacgtaaac	tgaaattctc	tccaattaaa	tatggctacc	agcctcgag	420
gaatttttgg	ccagcaagat	tagctacgag	actcttaaaa	cttcgctatc	tcatactagg	480
atcggctgtt	gggggtggct	acacagccaa	aaagactttt	gatcagtgga	aagatatgat	540
accggacctt	agtgaatata	aatggattgt	gcctgacatt	gtgtgggaaa	ttgatgagta	600
tatcgatttt	gagaaaatta	gaaaagccct	tcctagttca	gaagaccttg	taaagttagc	660
accgactttt	gacaagattg	ttgaaagcct	tagcttattg	aaggactttt	ttacctcagg	720
ttctccggaa	gaaacggcgt	ttagagcaac	agatcgtgga	tctgaaagtg	acaagcattt	780
tagaaagggtg	tcagacaaaag	agaaaattga	ccaacttcag	gaagaacttc	tgcacactca	840
gttgaagtat	cagagaatct	tggaacgatt	agaaaaggag	aacaaagaat	tgagaaaatt	900
agtattgcag	aaagatgaca	aaggcattcc	attcatagaa	agcttaagga	aatctttgat	960
tgacatgtat	tctgaagttc	ttgatgttct	ctctgattat	gatgccagtt	ataatacgca	1020
agatcatctg	ccacgggttg	ttgtggttgg	agatcagagt	gctggaaaga	ctagtgtggt	1080
ggaaatgatt	gccccagctc	gaatatccccc	aagaggatct	ggggagatga	tgacacgttc	1140
tccagttaag	gtgactctga	gtgaagggtcc	tcaccatgtg	gccctattta	aagatagtcc	1200
tcgggagttt	gatcttacca	aagaagaaga	tcttgacgca	ttaagacatg	aaatagaact	1260
tcgaatgagg	aaaaatgtga	aagaaggctg	taccgttagc	cctgagacca	tatccttaaa	1320
tgtaaaaggc	cctggactac	agaggatggt	gcttgttgac	ttaccaggtg	tgattaatac	1380
tgtgacatca	ggcatggctc	ctgacacaaa	ggaaactatt	ttcagtatca	gcaaagctta	1440
catgcaggat	cctaattgcca	tcatactgtg	tattcaagat	ggatctgtgg	atgctgaacg	1500
cagtattggt	acagacttgg	tcagtcaaat	ggaccctcat	ggaaggagaa	ccatattcgt	1560
tttgaccaaa	gtagacctgg	cagagaaaaa	tgtagccagt	ccaagcagga	ttcagcagat	1620
aattgaagga	aagctcttcc	caatgaaagc	tttaggttat	tttgctgttg	taacaggaaa	1680
agggaacagc	tctgaaagca	ttgaagctat	aagagaatat	gaagaagagt	tttttcagaa	1740
ttcaaagctc	ctaaagacaa	gcatgctaaa	ggcacaccaa	gtgactacaa	gaaatttaag	1800
ccttgcahta	tcagactgct	tttgaaaaat	ggtacgagag	tctgttgaac	aacaggctga	1860
tagtttcaaa	gcaacacgtt	ttaaccttga	aactgaatgg	agaataaact	atcctcgctc	1920
gcgggaactt	gaccggaatg	aactatttga	aaaagctaaa	aatgaaatcc	ttgatgaagt	1980
tatcagttctg	agccagggtta	cacaaaaaca	ttgggaggaa	atccttcaac	aatctttgtg	2040
ggaaaagagta	tcaactcatg	tgattgaaaa	catctacctt	ccagctgcgc	agaccattga	2100
ttcagggaact	tttaacacca	cagtggatat	caagcttaaa	cagtggactg	ataaacaact	2160
tcctaataaaa	gcagtagagg	ttgcttggga	gaccctacaa	gaagaatttt	cccgctttat	2220
gacagaaccg	aaagggaag	agcatgatga	catatttgat	aaacttaaa	aggccgttaa	2280
ggaagaaagt	attaaacgac	acaagtggaa	tgactttgcg	gaggacagct	tgagggttat	2340
tcaacacaat	gctttggaag	accgatccat	atctgataaa	cagcaatggg	atgcagctat	2400
ttattttatg	gaagaggctc	tgacggctcg	tctcaaggat	actgaaaatg	caattgaaaa	2460
catggtgggt	ccagacctgg	aaaaagagg	ggttatactg	gaagaatcgg	acccaagaac	2520
agtgtgttca	caatgaaacc	aagaatgaat	tggagaagat	gttgaaatgt	aatgaggagc	2580
accagctta	tcttgcaagt	gatgaaataa	ccacagtccg	gaagaacctt	gaatcccag	2640
gagtagaagt	agatccaagc	ttgattaagg	atacttggca	tcaagtttat	agaagacatt	2700
ttttaaaaaac	agctctaaac	cattgtaacc	tttgtcgaag	aggtttttat	tactaccaa	2760
ggcattttgt	agattctgag	ttggaatgca	atgatgtggt	cttgttttgg	cgtatacagc	2820
gcatgcttgc	tatcaccgca	aatactttta	ggcaacaact	tacaaatact	gaagttaggc	2880
gattagagaa	aaatgttaaa	gaggtatttg	aagattttgc	tgaagatggt	gagaagaaga	2940
ttaaattgct	tactggttaa	cgcggttcaac	tggcggaaga	cctcaagaaa	gttagagaaa	3000
ttcaagaaaa	acttgatgct	ttcattgaag	ctcttcatca	ggagaaataa	attaaaatcg	3060
tactcataat	cagctctgca	tacatctgaa	gaacaaaaac	atcaacgtct	tttgtccagc	3120
ctctttttct	tctgctgttc	cacctttcta	aacatacaat	aaagtcatgg	gataaaaaata	3180
atcgatgtat	gttacgggcg	ctttaaccat	cagctgcctc	tcgaatggaa	gaacagtggt	3240
aatggattaa	catcctattt	tggtgtacta	aagtgcacaa	tcggaataat	ataattggta	3300
tggtccattag	gttcagtcct	tgaagataag	aaacttggtc	tctgtttgtt	gtcttatttg	3360
tggtggcact	cgtttaatgg	attaactgag	gttgctcaat	gttcagtttc	ttttccagaa	3420
atacaatgct	aggtgttttg	aaataaaaact	tatatagcaa	ttgttttaag	ttatcaattg	3480
tatataaaat	cacagtagcc	tgctaaatca	ttgtatgtgt	ctgtagtatt	ctattcccag	3540

aaactat	tttg	accatgataa	ttcagtttat	attcaccaca	tgaaagaaaa	atgggtaaca	3600
gaagaacccc	taaaacaggt	taattttggat	tgtaacgttc	agtgaagaa	atctcaaccc		3660
ttcatagcca	gcgaagaaat	ttgccttgga	agccaagtca	gtaccagctt	acctat	tttga	3720
ttcagttgct	gttttctcac	tctctatatc	catttgaaat	tgatttattt	tagatgttgt		3780
atacttacgt	taggctttct	gttaatagt	gtttttctcc	tggtgacaga	gccaccggat		3840
tatgacacag	gatgaggaag	attaaggata	atcaattgac	taatttcatt	tagaatatta		3900
tcaaacat	caactaggta	tcagaaaaag	gctttctttc	ataagactat	tttaaataga		3960
aattat	tttca	acaattaaag	taatgttgac	catccccctg	gcagctgaat	aaagaaaaat	4020
ttagttcaat	ttattgcaat	ttaattacaa	tactaccttc	acaacat	ttt	catgtgtttt	4080
aaataaatat	tttttaattg	gctaaaggac	attcaagcaa	agaaatgctt	tctttactta		4140
aaatgtctat	ctcatttgct	gcctttttcac	taagccttta	ctttgttaat	aaaagtgtcc		4200
attgtgtgat	gtttttgatt	ttacagtttg	ctaaatctta	ttttcttgga	gttgcttttt		4260
ggtaacagcc	ccattgctac	tccccatttt	attgtttttac	atcaatgcat	gcttcgttgt		4320
gatccctcaa	gatgtaacac	ttgggtatgct	cgggtgagga	tatgaaaaaa	tacttccgaa		4380
accaggaatt	caatgtatgt	ttgtttttata	ctgtttgata	agaaaagtag	gtccagcctt		4440
aagcagcaca	gatgcgctgg	tagatgcata	gtcagggaact	ttttttattt	cttttaggtc		4500
tagggacagg	agtgaataga	aagggaggag	agctctatta	tgttctatac	acagattagg		4560
agatgacctt	actgggtaca	cccctctaac	cagtgccttac	aggttaatgc	atgttaatga		4620
atatttttgc	agttgtaaag	cataacaatt	acaactacac	atctat	tttct	aaagaataaa	4680
acaggaccat	at	tttattt	ttctgtcaac	tatagaaaga	aagaccttca	gctgtatttc	4740
cacagatttc	tcccaaggaa	aaggctaata	ttagtcacta	ctgttatcac	atccctttgt		4800
ataagtttta	aaaagagatg	gagggagatc	ttcatttctt	tgaggagatc	agtattgtaa		4860
cgtatgtgaa	tagatgataa	caattaatat	tactaaaagt	cccacatgag	agtcctgacg		4920
ccctctccaa	tgccccacag	taatgtgggc	ttctttcatg	ggtttttttt	tcttcttttt		4980
agctgatctc	atcctaagca	tgcttttattt	ttccttgaaa	gctaggtatt	tatcaactgc		5040
agatgttatt	gaaagaaaaat	aaaattcagt	ctcaagagta	aaccctgtgt	cttgtgtctg		5100
tagttcaaaa	gtcagaaatg	attctaattt	aaacaaaaag	atattaaata	tacagaagtt		5160
aaattcgaac	tagccacaga	atcatttggt	tttatgtcag	aatttgcaaa	gagtggagtg		5220
gacaaagctc	tgtatggaag	actgaacaac	tgtaaataga	tgatatccaa	acttaatttg		5280
cttaggacct	caattttaaa	aatcagtgta	cctaggcagt	gcacagcacg	aaataagtgg		5340
cccttgcacg	ttccccgttt	aaccactgt	gctatagttg	cgggtggaac	agtcaacctt		5400
tctagtagtt	tatgatattg	ccctctttgt	attcccattt	tctacagttt	tttccgcaga		5460
cttctttctg	caaattattc	agcctccaaa	tgcaaatgaa	tgatataaaa	ataagtaggg		5520
aaccatggca	aagagtgggtg	cttcccaccc	tcccaatgtg	ggaatttgac	gataggatga		5580
gagtcagagt	ataggtttta	aagataaaat	ctttagttta	taattttgta	tttatttatt		5640
ctagatgtat	gtatctgagg	aaagaaatct	ggatattttg	ctttccaata	aaagaggggg		5700
ggngggngng	gaatttccaa	aagtaatgg	ttttctctca	gttctctaag	ctggtcctat		5760
gttatagccc	tagcagtatg	gaaatgtgcc	tttaaaatat	gccttacctt	ttgaatgatc		5820
atggctatat	gttggttgaga	tatttgaaac	ttaccttggt	tttcacttgt	gcactgtgaa		5880
tgaactttgt	attat	ttttt	taaaaccttc	acattacgtg	tagatattat	tgcaacttat	5940
at	tttgcctg	tgcttgatca	aaggctcattt	gtgtagatga	gtaattaaaa	aatattttaa	6000
tcacattata	attctattat	tggagagcat	cttttaaat	tttttctggt	ttaacgaggg		6060
aaagagaaac	ctgtatacct	agggctcatta	tttgacccca	tagtataacc	agattcatgg		6120
tctaacaagc	tctcagtgtg	gcttttctct	gaatgcttga	at	ttcacatg	ccttgcat	6180
cacagttgta	ctccatggtc	aaccgggtgct	ttttttcaca	tcgtgggtact	tgtcaaaaaca		6240
ttttgttatt	ttccttggtg	aaatatataa	aaaaggtttt	cttaattttt	aaaaaaaaaa		6300
aa							6302

<210> 6311  
 <211> 1998  
 <212> DNA  
 <213> Homo sapiens



<220>  
 <221> misc\_feature  
 <222> (5)...(1752)  
 <223> similar to gi6013191 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 6311

tttcgtggcg	gtggctgggg	cggtgtccgg	ggagccgctg	gtgcactggt	gcacccagca	60
gttgcggaag	actttcggcc	tggatgtcag	cgaggagatc	attcagtagc	ttttgtcaat	120
tgagagtgc	gaagagatac	gagaatatgt	tactgatctc	ctccaggga	atgaaggcaa	180
aaaaggtcaa	ttcatagaag	aacttataac	caaatggcaa	aagaatgac	aggagttgat	240
ttcggtacct	ttgcagcagt	gcttcaaaaa	agatgaaaatt	ttagatgggc	agaaatcagg	300
cgaccatcta	aagcggggta	ggaagaaaag	gagaaacaga	caggaaagttc	ctgcattttac	360
tgaacctgac	acgactgcag	aggttaaaac	accttttgat	ttggccaagg	cacaagagaa	420
cagcaactcc	gtaaagaaga	agacaaagtt	tgtcaattta	tacacaagag	agggacagga	480
caggcttgca	gtcctgctcc	ctggctgtca	cccttgatg	tgcttgggcc	agaagcacia	540
gctcatcaat	aactgtctga	tctgtgggcg	cattgtctgt	gaacaagaag	gctcaggccc	600
ttgcttattc	tgtggcactc	tgggtgtgtac	tcatgaggaa	caagataatt	tacgggggga	660
ctcaaaccac	gagccagaaa	ctgctaaaga	aactcatgtc	aggagtggag	aattctggaa	720
aggtggacat	ctctaccaag	gaccttcttc	ctcatcaaga	attgcgaatt	aagtctggtc	780
tggagaaggc	tatcaagcat	aaagacaaac	tgttagagtt	tgacagaact	agtattcgaa	840
ggacccaagt	cattgatgat	gagtcagatt	actttgccag	tgattctaac	caatggttgt	900
ccaaacttga	gcgggaaacc	ttgcagaagc	gagaggagga	gctgagagaa	cttcgacacg	960
cctctcgact	ttctaagaag	gtcactattg	actttgcagg	aagggaagatc	ctggaagaag	1020
aaaattcact	agcagagtat	catagcagac	tagatgagac	aatacaggcc	attgccaatg	1080
gaaccttgaa	ccagccactg	accaaattgg	atagatcttc	tgaagagcct	ttgggagttc	1140
tggtaaatcc	caacatgtac	cagtcccctc	cccagtgggt	tgaccacaca	ggtgcagcct	1200
cacagaagaa	ggctttccgt	tcttcaggat	ttggactaga	gttcaactca	tttcagcacc	1260
agttgcgaat	ccaggatcaa	gaatttcagg	aaggctttga	tgggtggctgg	tgccctctctg	1320
tacatcagcc	ctgggcttct	ctgcttgtca	gagggattaa	aagggtggag	ggcagatcct	1380
ggtacacccc	ccacagagga	cgactttgga	tagcagccac	agctaaaaaa	ccctcccctc	1440
aagaagtctc	agaactccag	gctacatatc	gtcttcttcg	tgggaaagat	gtggaatttc	1500
ctaattgacta	tccgtcaggt	tgtcttctgg	gctgtgtgga	cctaattgac	tgcttgtccc	1560
agaagcaatt	taaggagcag	tttccagaca	tcagtcaaga	atctgattct	ccatttgttt	1620
tcatctgcaa	aaatcctcag	gaaatgggtg	tgaagtttcc	tattaaagga	aatccaaaaa	1680
tctggaaatt	ggattccaag	atccatcaag	gagcaaagaa	ggggttaatg	aagcagaata	1740
aagctgtctg	acccaggaga	aaaggaacta	tacagcatag	tggagttttg	tgtactaaaa	1800
ttgctatcta	ctggtccttt	ggaattgaag	tagtagaaac	ctaaaggctt	ggcgtcaggc	1860
ttgaatatct	cagaacttaa	actcttacca	aaatctgtat	atctttctta	aggagtggga	1920
ttcctacttt	atgtaatggg	gtcgaaatct	ttgaacacat	tatttataaa	aacctgttta	1980
aaaattctaa	aaaaaaaa					1998

<210> 6312  
 <211> 4951  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (4861)...(549)

<223> similar to gi5419846 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 6312

tttttttttt	ttaaaggtga	aacatttttta	tttagtttca	ttacagaggt	taaatagact	60
tttatgacat	ccatacaaaa	tatagcaatg	gttgtgggca	taaataagaa	ttgttctaac	120
tattctaact	gattttataa	tgcacagctc	tttcagttga	ttacaaatat	gaagtataatc	180
acctcaggat	gcagagattt	ttgaattcta	tttagcaatt	tccaaaagct	gaagtctaga	240
accgaagaca	catataaaaa	gatgattttt	aaatggaacc	agccaccttg	aaaaatattt	300
tgaaaaacat	gatttaaaact	ttagaaaata	aaacttttaa	tacttaagag	ataacatgat	360
gcaaacgttg	cttgttggcc	tgactttcca	ggactaagac	cctctgggaa	tcaatggggc	420
tcggtgacat	ggcgtaacct	gctactgggg	tgtggtctca	gacacaaaat	cacactggat	480
gttgggtctac	agaggcagga	ttctctcatt	gctggatgac	tcttgaaatg	aagcctttgc	540
ctttgttaca	catttggtct	tacaatcttc	attgacaaat	agttcggcaa	agagtagagg	600
agcacggcca	cgaagagcag	caggataagc	aggaacagca	agccgatgat	gacccactta	660
aagcggcgcc	acacgatgaa	cttcatggtc	ttgcatgggt	tgggtgaacca	gaggaaggag	720
gtttctggtc	gatttggtaa	gtccagcttg	gggttcatgt	tgggttcgtc	ccgccccttc	780
ccggctggcc	tctcgctggc	ctccttctcg	ttgaggattt	ccaatgtcat	ctccactttc	840
ccagccatta	cgcgggcgcc	atctttctct	gcgtagcatg	gccaccatcc	tttcatggac	900
ttctgctcaa	agagggaggg	tgtcttggt	ttaaaggggt	tcatggcttt	gaggtccgga	960
atcatgtcca	aaccctgcaa	tttctctctg	gtgatttttg	caggaaatga	atcgtgtgac	1020
ggcaagtcaa	agttctagga	aaacccaagt	agtcattccag	aggaaaactt	gtcattgtcc	1080
ccatatctga	atgatcagcc	ctgggtggga	ttcgaaattc	cgtttgggtca	atactccaga	1140
aatgctcttt	tttcgcaacg	atacagagtt	gttcggctgg	aaggtagtca	aacgggaaaa	1200
caaatcgcca	gttaaaattc	ccttcaccat	ccaaagatct	gtaatggaca	tctgttttct	1260
gtttgttttc	ttcattgcca	ggaatccagc	ctttgacgta	gatgtcactc	atttcctctc	1320
ctgtgatgct	tttctcgctc	aagataacgt	ccttgggtgt	ccagatgatc	acacgcaggt	1380
agtatctggg	aaatgttggg	ctggaagggtg	ctgtgcaaag	tccttgtttc	cacgtgctca	1440
gggaccagcc	cctgagtcct	gaggatgtga	agagcaagcc	gctcttcagg	ggccccgagg	1500
tgctgggtgca	ggattttgtt	ggcttcaaat	tcatccaagc	tgtagtctcg	tcctccatat	1560
ctgattctac	tcccatcttc	ggaaaggatg	ggttgtggga	agcctttgaa	tctggcgaca	1620
ttttgaagca	gcttgtgttg	gtcctcagtg	aatctcgcca	ggtattgact	ccagaaacac	1680
agtactcctc	tggatatccc	gcagtgggac	cccaaagcgg	gaaagggaaat	gggttttcca	1740
gatcaataat	tgtttctcct	actttttcat	cccgggtaaa	ggtgtcataa	tcatagacag	1800
aaattttcag	gtctttttct	tgaggtaagt	agcagctcag	ttcgtacatc	ctgccaaaaga	1860
ctgggttgag	agtgttggga	atgtagtgat	ctcggctctt	caatgacttt	tttgcccagt	1920
gttattttta	tgtaaaggtc	acacaggcca	ttgttgcct	ggggctggag	ctctaagcct	1980
cgaacaatgt	aaatcctaac	cgtgcattcc	tgtgggacgc	tgtcaggtaa	ttcccgaaac	2040
tgtctgggag	gggctggcac	gctgggggtca	tccggcagag	ggtagatccg	aaaggagccc	2100
ttaaactctc	caaccacaga	aggatcttca	ttttcatccg	acttgccctg	gtacaacttg	2160
aacgtatctg	agaagtctgt	caggccctca	aattctgcta	cattttctag	ttcgcaatta	2220
tatatcttga	gcttgggaata	gcctttctga	atatactgtc	cgcatTTTTT	atgttcccct	2280
gaggaggcat	aaaatttact	ccaccagtcc	acgatttctt	cctccttttc	tgtcagatgc	2340
actgtcgctg	gagaagccat	tttgcctagt	gctgttgaca	tactgcttaa	gcacttagaa	2400
gccagtaatg	gtttggtgtc	ttccatttcg	ataacgatgt	cccggcatgg	tggggcagac	2460
agaagggagg	ctttgagctg	tgggacgatg	tcctctttcc	ctgcataagg	gtcacagcga	2520
aagcgatcca	ggcgctcgat	ggtgcactgg	cctacgacag	gcttccgccc	aaactgcctg	2580
tggtcgatga	ccttgatcac	cagtgggggc	atgtacaatt	cctccttggg	caagaacact	2640
ttcatgaaga	gaacagaact	tggaaagtgt	ggtgtcttct	taaggttttt	gatcaccacc	2700
gattccaccc	tttctcctcc	acactccaca	acaagactgg	gggatgtgat	agaagccatc	2760
tggaagtttt	tcatatttct	taagcccca	gctagaatct	caatggcagt	gagctggacc	2820
acaggcctga	tcccctgggg	gacatgtat	agatttggcg	ccctttgagg	gggaagaatg	2880
ggaaggttgg	agccatcctt	gcccctcaga	atcagctctg	cagttacaag	aacatccccg	2940
caggctttgt	ctccattcat	tactgggtgc	cagagaagtt	tgggtgtgat	gtccatttct	3000

gagttcagtt	tcaccacagg	agagaaaatg	cttcgtccta	aaaattcatc	tttgcccact	3060
tggtcattgt	caaaaagtgc	catgataact	ttgggtggat	tctgtagaac	tgtttgggggt	3120
tccccataga	tttcaacttc	atcgaatata	attgtttggt	cccacgtggg	attcaggggtt	3180
gaatggatga	tctcagtggt	tttgctccga	tggaggaaac	agatatgagc	atatggatct	3240
gaaaagctat	ccttatctaa	agccaagagg	tttctggcct	gatagacata	gcagcgcaga	3300
tggtagatgt	agtctctgtc	aaaattgcag	gaaacaatgg	gggtgtttgc	tccgaacaca	3360
gtgggtggcac	tgtgcttctg	tttctccagg	ctcttctcat	cccatcttc	ggtagtgtct	3420
gccccaaagg	caccttcaag	tttaaagatg	gcagctgcac	catgtgtttc	tgaaggagcc	3480
atTTTTctcc	tccagcgtct	gcggcggaag	gtatctgaac	tacgttgttt	ccagtgaat	3540
ttccagccaa	ttagagaagc	atattccag	ccctcttggt	cttgcaattc	ctccatggcc	3600
cctgcggtgc	ttgaagcagt	ctgtgttaaa	tctttcttgc	gttttcggac	cagccttcgc	3660
cgtctatgag	tgtggtacat	tttctctgct	gcaaccagg	atttgggctt	atgatcagga	3720
ggaatggtga	ttccatattc	ccagcctttc	tcatccaccg	ctcgatttat	gtcataagac	3780
catgcatcat	cttccatttc	ccaacctgga	ggacaagtca	actcgctggg	tgatgctgct	3840
ttatcgccgt	tcgcatccgt	gtaggtgtcc	tcggccggct	tccagtcgcc	ccggggtag	3900
cggctctcgt	tctgatagac	ttcatcagtg	aactccgtgt	gacctgcac	tgccctagtc	3960
agcaagcttc	tttcaggatc	aactatccac	tctccttccc	attcccagcc	ttttggaggc	4020
agaaaaaatt	ccctcttgag	ttttattttt	cctgtgacat	cagaaaaactt	atgacgtcct	4080
actaatccag	aagtacccca	ttttccaaac	atgagagctt	gattttcata	catttcagca	4140
aagacggtga	aagttccttc	tgcgaagctg	ttaaacttct	tctccacagc	acttaagcct	4200
agccagatgt	tcactcgcaa	ctccacaggc	acctttggcc	cggtgttttt	ctcctgtgga	4260
tacttcagaa	agatggtttg	ggttttccca	cagtattttc	cagatgcatt	ctcaccactg	4320
gtggagtaca	agacctgatg	tgcgggaatt	cgtgcatagg	ccagtctctt	ctctccccgg	4380
atcatccaga	tgatgatgtc	aggcatgctg	ttctgtggct	cttcagtcag	ctgcattaat	4440
ttatcaagcc	agtcctcaat	ttctgccagt	gtggacttca	catctgtggc	ttccgacctc	4500
atcctcacag	ccgcctcatg	tatttgggag	agagacctgg	accgcagctt	tcggatctga	4560
gtatcgagaa	ctgtgacgtt	ggcttttccct	tctgtgagag	gcaacgtgta	tctcgtgtct	4620
tctataactt	catctatcag	cttcagccac	aattcagcca	gctggtttgc	aggaatttta	4680
ccttgatatcc	ctgatttttag	agcttctata	tttgtttgca	gccgttctgc	catagctagg	4740
agagtgttca	ccgcatccag	gcgatgacta	atatactccc	agtatgaagt	cagggttaaca	4800
actggcttgg	tgtgggcccc	aggcaagtaa	taatagtagt	tgccatcaaa	tacagcacgg	4860
ctgtactgag	ttgttgatgc	caaaggctta	caggtggtgt	caaacttggt	gccatagttc	4920
ccaatgctga	cttcaaactg	aatggcctca	c			4951

<210> 6313

<211> 2157

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (173)...(1329)

<223> similar to gi37643 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 6313

cgcttgggta	gaggaagccg	tgaggccgga	gcttaggtcg	ggaagggatg	gatcgtgag	60
ccgatagcgt	ccgctaggct	gtctgcctcg	gtacctgtta	ctgctgtac	ttcctcgttt	120
gacaccttcc	tggaaatctct	cttgattttt	gaggaaatac	ctagtaacaa	acatgactga	180
gttctggcct	atatctgctc	ctggggagaa	aacctgtcag	caaacatggg	agaaattgca	240

tgcggcaact	tcaaagaaca	ataatcttgc	tgtcacttcc	aagttcaata	ttcctgactt	300
aaagggttggc	acgttggatg	tcttgggttg	cttgtcagat	gaactggcta	aactggatgc	360
atttgtagaa	ggagtgggta	agaaagtagc	tcaatacatg	gctgatgtat	tggaagatag	420
caaagacaaa	gttcaagaga	atctgttggc	ttaatgggag	tggaacttggg	ttaccttata	480
taaccaaggt	tcccagtggg	gacatggcca	aatatccaat	caagcagtc	ctgaaaaata	540
tttctgaaat	aattgccaag	ggagtaactc	agattgataa	tgacctgaaa	tctcgagcat	600
ctgcatacaa	taacctgaaa	ggaaatcttc	agaatttgga	acgaaagaat	gcaggaagtt	660
tgctaactag	aagtctagca	gaaatttgtga	agaaggatga	ctttgttctt	gattcagagt	720
atctcgtcac	attactggta	gtagttccca	agttaaacca	caacgactgg	attaagcagt	780
atgaaacact	agccgaaatg	gtagttccaa	ggtctagcaa	tggtctttca	gaggaccaag	840
acagttacct	gtgtaatgtc	accttgttta	ggaaggcagt	tgatgacttc	agacacaaaag	900
ccagagaaaa	caaattcatt	gttcgtgact	tccagtataa	tgaagaggag	atgaaagcag	960
ataaagaaga	aatgaacagg	ctttctactg	ataagaaaaa	acaatttgga	ccacttgtac	1020
ggtggctgaa	agtgaatttt	agtgaagcat	ttattgcatg	gattcacgtg	aaagcattac	1080
gggttttctg	tgagtctgtt	ttaagggtatg	gcttgccagt	gaacttccaa	gcaatgctac	1140
ttcagcccaa	taagaaaact	ttgaagaaac	tgagagaagt	attacatgaa	ttgtataaac	1200
atctagacag	cagtgcagca	gctattattg	atgctcctat	ggatattcca	ggtttaaacc	1260
tgagtcaaca	agaatactac	ccctatgtgt	actacaagat	tgattgcaac	ttgctggaat	1320
tcaagtgaag	atgggctcct	cccccgacaa	tcctgtcctt	gtgtttgtgt	gtgctaacag	1380
aaataagttg	cagtatgggc	gtacttttaa	ctctagtatc	ctttgcttgc	ttcttaccct	1440
ctttcctagg	tgaattctcc	cacagtgggc	tgtatctcaa	cattttcttt	ttaaaggaaa	1500
aaatatatat	atatagtttc	tttttattga	tcaggctctgt	aaatgtgtac	taaaaaaatc	1560
agagtttatt	tataaacaaa	atagtttatt	taaagagaag	gtctcttcct	tattgatatc	1620
atgggtatgca	ttaattccat	ttgttactat	tgtgcacaaa	agccctgttc	acaggggaat	1680
ggtgtaaaca	tttatactgt	tttgttctac	gtatttagta	gacataactg	ttgaatagtt	1740
actgaatcat	gatgtaaaga	atatgtgacc	atcttcaggt	atgggatttc	tgaacgtttc	1800
aaattttcaat	caatgagcac	tgtcaacacc	cacaggagag	aataaaaatta	cctgtgcaaa	1860
ggtgtattgt	ggtgtgtgta	acttaagagt	acagggctgt	ttgagagttg	agtgatgtca	1920
tggttcaggt	ggtatgctgc	ttgcaggatt	ttgttatgtg	ctgaggggta	cccattttgtg	1980
ttgtctgact	ttcgtatgat	ttaattgagc	caaatttggg	tcagaacaca	aatttgaaga	2040
tgacttttca	gtatatgatg	ggtatttaca	tttgaacact	agaatttttag	gtctctcaaa	2100
taattaagaa	tagagccagt	tttgaataaa	gtctagcaga	actatgaaaa	aaaaaaa	2157

<210> 6314

<211> 1532

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (884)...(671)

<223> similar to gi710336 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 6314

tttttttttt	ttctcattgt	aacactcggt	tttatataaa	tattcgcaag	tcatgttaca	60
gaagaagccc	caccagggaa	aaaagtcaac	gttaggggtt	tgtagattg	acccctgcct	120
tctaggttgg	gccccagcct	ggaggcgcct	gctgctttgg	gaaggctggg	gttgctgccg	180
tgaggctgcc	gaagaagctg	cctgtgtcgc	ccacccttgg	gccgaccccc	ttcttttggtg	240
tgtggtacat	ggtgaccttc	tctggccacc	cttagcctgg	gggaggggtt	tggagaacag	300

ggttcagggg	agcagggccc	aggagtcctg	ggggcacttg	gaaatggggt	gaaggggact	360
gagccattaa	gaggtggttg	agtctgagat	ttagaggctg	agcctttggg	ggtgggggca	420
gagtgaacgg	gaacatgttg	ggggaaccgg	ggctgtcagc	caagtaggaa	gcttctgccc	480
ttccctccag	cccaggtccc	caggtcctgc	cccctgttgg	tcatctcctg	ctggccccac	540
cttcccaggg	agaagcctga	ctgtcccttc	ccggctcttc	cccctgcagt	cccctttccc	600
cacagagagg	ccagaggcta	ggaacacagc	accagtctga	gggtttaatt	aaccaggaag	660
ggaactgttg	ggagggggcac	ccctgtaaaa	atgtacaaaa	ggtcttgggg	ctatgtgaaa	720
ggggtgataa	atatgtacat	ggaaccccc	ttccttgagc	ccctcctccc	ccagccctcg	780
gagggcatga	ggacttgggg	ggtaggtgaa	cgggaggggg	cactttggcc	tctggcttag	840
tgagcccttg	gggaggcagg	cccagggcct	agaggccctt	acaggggcaa	aggtgtacct	900
caggaggccc	catggccccc	gagatgagcc	acactcccat	gcacacgccc	ctctcccttc	960
tctagaggct	gtgacctctg	ctctcccagt	gaccctacac	tccatgtgat	gcttggctct	1020
gtgggggttg	aggcttctgt	tcccagggtt	catgacctca	gaggtggctg	gtgaggttat	1080
gacctttgcc	ctccagccct	ggcttaaaac	ctcagcccta	ggacctggtt	aaaggaaggg	1140
gagatggagc	tttgccccga	cccccccccg	ttccctcac	ctgtcagccc	gagctgggcc	1200
agggccccta	ggtgggggaa	tgggcccggg	ggcgggcaca	agcggagggt	gtgcccccaa	1260
aagggtctcc	ggtgggggtc	tgctgagaag	gtgagggggt	cccggggccg	cagcaggtgg	1320
tggtggagga	gccaagcggc	tgtagagcaa	ggggtgagca	ggttccagac	cgtagaggcg	1380
ggcagcggcc	acggcccccg	gtccagttag	ctcctcaccc	gcctcataga	agcgggggtg	1440
ccttgccagg	cgtgggggtg	ctgccaaaca	ggttggtctc	aggaagccag	cacagcgatc	1500
tggtgggcta	gggcccagaa	acgggggcgg	cc			1532

<210> 6315  
 <211> 3092  
 <212> DNA  
 <213> Homo sapiens  
 <220>  
 <221> misc\_feature  
 <222> (626)...(2702)  
 <223> similar to gi4704739 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 6315	
cggacgcgtg	gggtaagaga aaggggaagg ggaggtggga gaggcacctc aactttgatg 60
tcccagagcct	tgagtggcca ctcgcaagct ggccaagggc ttcacacaat ttgccaagat 120
gacagagggg	accaagaaga ccagcaaaaa gttcaagttc ttcaagttca agggcttttg 180
gagtttctcc	aacctccctc ggtccttcac tctgagacga tctcagctt ccatcagtag 240
gcagtcccat	ttggagcctg acacctttga agccacgcag gatgacatgg tgacggtgcc 300
caagagtccc	ccagcctatg cccgctccag tgacatgtac agccacatgg gcaccatgcc 360
tcgccccagc	atcaagaaag cacagaactc acaggctgcc cggcaggccc aggaggcggg 420
tcccagccc	aacttggtac ccggagggtg acccgacccc ccaggcttgg aggcagccaa 480
agaggtgatg	gtgaaggcca ctggccctct agaggacacc ccagcaatgg aacccaacc 540
ttcagcagtg	gaggtagacc ccatcagaaa gcctgaggtc cccacaggag acgtagaaga 600
ggagagacct	cccagggacg tgactcaga aagggtgct ggagagccag aggtggcag 660
cgactatgtg	aagttctcca aggagaagta catcctggac tcatcgccag agaaactcca 720
caaggaattg	gaggaggagc tcaaaactcag cagcacggat ctccgcagcc atgcctggta 780
ccatggccgc	atcccccgag aggtctcgga gaccttggtg caacgcaacg gcgacttctt 840
catccgggac	tactcacca gcctgggcga ctatgtgctc acgtgccgct ggcgcaacca 900
ggccttgcac	ttcaagatca acaagggtgt ggtgaaggca ggcgagagct acacacacat 960

```

ccagtacctg tttgagcagg agagctttga ccacgtgccc gccctcgtgc gctatcatgt 1020
gggcagccgc aaggctgtgt cagagcagag tgggtgccatc atctactgcc cgggtgaaccg 1080
caccttccca ctgcgctacc tcgaggccag ctatggcctg ggacagggga gtagcaagcc 1140
tgctagcccc gtcagcccct caggcccca gggcagccac atgaagcggc gcagcgtcac 1200
catgaccgat gggctcactg ctgacaaggt caccgcagc gatggctgcc ccaccagtac 1260
gtcgtgcccc cgccctcggg actccatccg cagctgtgcc ctacagcatg accagatccc 1320
agacctgcac tcacccatgt cgcccatctc cgagagccct agctcccctg cctacagcac 1380
tgtaacccgt gtccatgccg cccctgcagc cccttctgcc acagcattgc ctgcctcccc 1440
tgtcgcccg cgttccagtg agccccagct gtgtcccgga agtgcccca agacccatgg 1500
ggagtcagac aagggtcccc acaccagccc ctcccacacc cttggcaagg cctccccgtc 1560
accatcactc agcagctaca gtgaccggga ctctggccac tactgccagc tccagcctcc 1620
cgtgcgtggc agccgagagt gggcagcgac tgagacctcc agccagcagg ccaggagcta 1680
tggggagagg ctaaaggaaac tgtcagaaaa tggggcccct gaaggggact ggggcaagac 1740
cttcacagtc cccatcgtgg aagtcacttc ttccttcaac ccggccacct tccagtact 1800
actgatcccc agggataacc ggccactgga ggtgggcctt ctgcgcaagg tcaaggagct 1860
gctggcagaa gtggatgccc ggacgctggc ccggcatgtc accaaggagg actgcctggt 1920
tgctaggata ctgggcgtta ccaaggagat gcagacccta atgggagtc gctggggcat 1980
ggaactgctc accctcccc atggcccggga agctacgcct agacctgcgg gaaagggtcc 2040
acaccatgtc catcatgctg gccgtggaca tcctgggctg caccggctct gcggaggagc 2100
gggcagcgtc gctgcacaag accattcagc tggcgggcca gctgcggggg actatgggca 2160
acatgttcag cttcgcggcg gtcattgggtg ccctggacat ggcccagatt tctcggtctg 2220
agcagacatg ggtgaccctg cggcagcgac acacagaggg tgccatcctg tacgagaaga 2280
agctcaagcc ttttctcaag agcctcaacg agggcaaaga agggccgccc ctgagcaaca 2340
ccacgtttcc tcatgtgctg cccctcatca ccctgctgga gtgtgactcg gcccaccag 2400
agggccctga gccctggggc agcacggagc acggcgtgga ggtggtgctg gctcacctgg 2460
aggccgcccg cacagtggca caccacggag gcctgtacca caccaatgct gaagtcaagc 2520
tgacggggtt ccaggcccgg ccggagctcc tggaggtgtt cagcacggag ttccagatgc 2580
gccttctctg gggcagtcag ggtgccagca gcagccaggc ccggcgctat gagaagttcg 2640
acaaggctct cactgccctg tcccacaagc tggaacctgc tgtccgctcc agcgagctgt 2700
gacccagggg acatttcccc tctgcagctg cggacagcgt caggggcaga ggggcacaca 2760
actttcccca gaggacccca aggacactgt gatcaaccgc agaattgttct gggttcaact 2820
caagcatctc ccttgacact ccagggtcct gcgtggactc tgggttccat cccacctgct 2880
acatgctcac cagggtctcca ttgaggaaga acaggaacgc cggttccccc accagctttt 2940
gctgctcccc ttctgtctgg ggttccctgt ttctgagcca tgggaggcag gctgctcacg 3000
cctctcact ctctgtctgt ccctcaccaa caccaaggcc tccatctcac tgtaaataag 3060
tctctgttct ttgtaaataa gatgtacaga ag 3092

```

```

<210> 6316
<211> 646
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (572)...(75)
<223> similar to gi306901 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

```

```

<400> 6316
tttttttttt ttctcttttac aacagccttt atttccggcc cttgatcctg ctccgatgct 60

```

```

gggtggaggcc cttagctccg cccgccaggc tctgtgccgc ctccccgcag gcgcagattc 120
atgaacacgg tgctcagggg cttgaggccg tactccccc gcgggagctg accttcgagg 180
ggctttcccc tcgaagggtca gccaaagaaca ggctgtcctg cacaccctcc agcccgctca 240
cttgctgctt caggtggggc acggtgtgcg tcagccgcac ctctaggtg ctgctgcggc 300
ccttggttatt cctcaccagg atgttcagag gtctgtcgca tttgtccacc accagcagga 360
ccgtgctgcc gggggccagg ccctggctgg caagggggac cctgtcctgc agcgccacac 420
cgctcgggtg gacagccaga cgctgctgga aggcgtgcac gccgatcttc tgggtgatct 480
gcgccttcag ctctgacacc gacatggagc tgctcaggga cacctggaat tcgttgcccc 540
ccagcatctt caccgtcagg tcccagccca tggctgtggg ctgtgggctg tggggccacgg 600
cacgagctcc tgtactggca aagatgagtt cgctgcctct cagccg 646

```

```

<210> 6317
<211> 3558
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (298)...(3434)
<223> similar to gi30076 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

```

```

<400> 6317
gcattcccgg gtcgacgatt tcgtcgccgg gacaccaggg ctccgcgctc cgcactcaag 60
aggctcccgc gtcccaaccc ctgcgcgccg cgcgttcgcg gatccaggcc gaggaccgaa 120
agggggccgcc cgagcccccg gggccggcgc ccagagagcc cagcaaggcc ggccgccctg 180
ccggtgtgcc gccggcgggt gcttctggaa gggccaatgc gtccgggcag cagcccctga 240
agccgagccc gaggtctagt gggactgacc gggggccaga gtggacgaac cgccagcatg 300
gggagagacc agcgcgcggt ggccggccct gccctacggc ggtggctgct gctggggaca 360
gtgaccgtgg ggttcctcgc ccagagcgtc ttggcgggtg tgaagaagtt tgatgtgccg 420
tgtggaggaa gagattgcag tgggggctgc cagtgtctac ctgagaaagg tggacgtggt 480
cagcctgggc cagtgggccc ccagggttac aatgggccac caggattaca aggattcccc 540
gggctgcagg gacgtaaagg agacaagggt gaaaggggag cccccgagt aacaggaccc 600
aagggcgacg tgggagcaag aggcgtttct ggattccctg gtgccgatgg aattcctgga 660
caccgggggc aagggtgggc caggggaagg ccgggctacg atggctgcaa cggaacccag 720
ggagactcag gtccacaggg gccccccggc tctgaggggt tcaccgggcc tcccggggcc 780
caaggaccaa aagggcagaa aggtgagcct tatgcaactgc ctaaagagga gcgcgacaga 840
tatcgggggtg aacctggaga gcctggattg gtcggtttcc agggacctcc cgcccgccct 900
gggcatgtgg gacagatggg tccagttgga gctccaggga gaccaggacc acctggaccc 960
cctggaccaa aaggacagca aggcaacaga ggacttggtt tctacggagt taagggtgaa 1020
aagggtgacg tagggcagcc gggacccaac gggattccat cagacaccct ccaccccatc 1080
atcgcgccca caggagtcac cttccaccca gatcagtaca agggtgaaaa aggcagtgag 1140
ggggaaccag gaataagagg catttccttg aagggagaag aaggaatcat gggctttcct 1200
ggacttaggg gttaccctgg cttgagtggg gaaaaaggat caccaggaca gaagggaagc 1260
cgaggcctgg atggctatca agggcctgat ggaccccggg gacctaaagg agaagccgga 1320
gacccagggc cccctggact acctgcctac tcccctcacc cttccctagc aaaagggtgcc 1380
agaggtgacc caggattccc agggggccaa ggggagccag gaagccaggg tgagccagga 1440
gacccggggc tcccaggctc ccctggcctc tccattggag atggagatca gaggagaggc 1500
ctgccgggtg agatgggacc caagggttc atcgagagcc ccggcatccc tgcgctctac 1560
ggggggccac ctggacctga tggaaagcga gggcctccag gaccccccg gctccctgga 1620

```

```

ccacctggac ctgatggctt cctgttttggg ctgaaaggag caaaaggaag agcaggcttc 1680
cctgggcttc cgggctcccc tggagcccc ggaccaaagg ggtggaaagg tgacgtgtgg 1740
gaatgcagat gtacagaagg cgacgaagct atcaaaggct ttccaggact gccaggaccc 1800
aagggcttcg caggcatcaa cggggagccg gggaggaaag gggacaaagg agaccccggc 1860
caacacggcc tccctgggtt cccaggggctc aagggagtgc ctggcaacat tgggtgctcc 1920
ggacccaaaag gagcaaaaagg agattccaga acaatcacaa ccaaagggtga gcggggacag 1980
cccggcgctc caggtgtgcc cgggatgaaa ggtgacgatg gcagcccagg ccgcgatggg 2040
ctcgatggat tccccggcct cccaggccct cccgggtgat gcatcaaagg ccctccaggg 2100
gacccaggct atccaggaat acctggaacg aagggtactc caggagaaat gggcccccca 2160
ggactgggcc ttcccgccct caaaggccaa cgtggtttcc ctggagacgc cggttacct 2220
ggaccaccag gcttcctggg cctcctggc cccgcaggga cccaggaca aatagattgt 2280
gacacagatg tgaaaaggcg cgttggaggt gacagacagg aggccatcca gccagggtgc 2340
ataggagggc ccaagggtt gccaggcctg ccaggacccc caggccccac aggtgccaaa 2400
ggcctccgag gaatcccagg cttcgcagga gctgatggag gaccagggcc caggggcttg 2460
ccaggagacg caggtcgttg aagggttccc aggacccccca gggttcatag gaccccgagg 2520
atccaaaagg gcagtgggcc tccctggccc agatggatcc ccagggtcca tcggcctgcc 2580
agggccagat gggccccctg gggaaagggg ccttccctgg gagaagtcct ggggagctca 2640
gcccgggcca cggggagatg ctggtgtgcc tggacagcct gggcttaaag gccttcccgg 2700
agacagaggc cccctggat tcagaggaag ccaagggatg cctgggatgc cagggtctgaa 2760
gggccagcca ggcctcccag gaccttccgg ccaggccagg ctgtatgggc ctccaggact 2820
gcatggattc ccaggagctc ctggccaaga ggggcccttg gggctgccag gaatcccagg 2880
ccgtgaaggc ctgcctggtg atagagggga cctgggggac acaggcgctc ctggccctgt 2940
gggcatgaaa ggtctctctg gtgacagagg agatgctggc ttcacagggg agcaaggcca 3000
tccaggaagc cctggattta aagggaattga tggaatgcct gggacccccg ggctaaaagg 3060
agatagaggc tcacctggga tggatggttt ccaaggcatg cctggactca aaggggagacc 3120
cgggtttcca gggagcaaaag gcgaggctgg atttttcgga ataccgggtc tgaagggtct 3180
ggctggtgag ccaggtttta aaggcagccg aggggaccct gggccccag gaccacctcc 3240
tgtcatcctg ccaggaatga aagacattaa aggagagaaa ggagatgaag ggcctatggg 3300
gctgaaaagg tacctgggcg caaaaggat ccaaggaatg ccaggcatcc cagggtctgc 3360
aggaatccct gggctgcctg ggaggcccg ccacatcaaa ggagtcaagg gagacatcgg 3420
agtccccggc atccccggtt tgccaggatt cctgggggtg gctggccccc ctggaattac 3480
gggattccca ggattcatag gaagccggct actggggagg ccgaggcgga agaatacgctg 3540
gaaccagga ggcggagg

```

```

<210> 6318
<211> 2000
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1926)...(209)
<223> similar to gil377880 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 6318
tttttttttt ttagattaga ataaaaattt atttttgtaa agaattatat tttgtatttg 60
caaaagctga aaatgctcat aaaaattacc agccagagc ttggatttcc accggatcca 120
ccacgtgaga caaaagagtc tgtcatttct tcttgccagg tttgagggcc ttttctagac 180
cttggtatgtg ttttcgaggg agctgatact cttcaagcaa tagccagccg aggtggtgga 240

```



```

cctggtttcc ctggatctgc acctgaaggc tgtccttggc cccaggggca ggattgacgg 300
tggtgctagc ctggcatcgc tgctgaagga tggcagccac tgagtatggg tccagaccat 360
aggcctccaa gttccggacc acggtcacct ttttattaga cgctctttgt gctaggggtga 420
tgtcaattgg acagattctc cctttcttca caatgggctc ttgtccggga agggtcactt 480
gataggcagg ctgtaatttt tccaaacacc tggtcagaag actgtcccat ggaagcttca 540
tgactgtatg ctgttcattt ttctctaaga tgcagtcaca taggatggga tccaatctca 600
caagattttt gttgtctgca tcaaccagggt ctttttctt ggcgtagtta atgacgatcg 660
ttcggacctc actgccctcc agaaagctcc ctttcttgtg gccagactcc tggaaagagca 720
gggtcatgct ggctgggaca cagtagaggg gttttatatac tggaggggtga tagggctgtt 780
ccctgctacc ctcctggata gtctgggagg tcggggagggtg ctcgggtatg acgaaagatg 840
taatcctcgg gtgtttccag tccacagcca caatgctctc caccctttg ctcagctcct 900
tcacctgtat aatctgctcc tgctgcattt gctgcaggaa cttagagagc tttttgtagc 960
ttgacttctt tatgtccagt tgtcgtcctt cggggcagca ggagaacatg tggctgccaa 1020
ggaaagtgtc ggtgagttaa gggaggtcag cttttttgac tcggcacttc aaggcatgta 1080
agaagcattg ctgtaacagc tcatccattt gttcttgaag cgttttgcta tctgtggagt 1140
cttggttcag gcccctggtg ctggtgtctt ctggggcttc tgagagagac ttgtcttcac 1200
gtgcctggtg aacctcccca ttctcctctt ccccctccag ggtcatgtgc ctcagtctc 1260
cctgcagggt ggagtcctac tggacagacc ctttctcttc actgagatct gctgaatcca 1320
gggccagtgg agcaatggaa ggtggagagg acttggtttcc agaccgccac aagtggtcct 1380
ggtaagtgtg gagcacagag aagccccttc ctttcaggcc tgacgtgagc atctcagctg 1440
tggacatggc tgcaactcca atggctacag gggctctgtt cccacacaaa gaaatggcac 1500
agaggctcgc cttctgtacc tgaggcagac cagcaggggg catcaccagt ccaggcagca 1560
tcaaatctgc tccccctacc agtttctcga gcaccagagg ccatgttgta aagggtggca 1620
gaagatcagg ataggaccac agcgtgtaca ctgttgagata cagatttttc tccagttcaa 1680
agaggatggg gttaccacca ctacgtaca cagtcactgc atccccttg tgagcataca 1740
acttcacaat gttgagctcc tcctttccag gtactaaact agagacttga tcagttccaa 1800
gggtggggaa agcagttgtc acatcagctc gaagctttct cctgtccgac cccttgatgg 1860
ccgtgttgga cttgacccga aaggccttg caaacatgtc tgctgggggtg gcctggggaa 1920
gagagcacag aagccaggga atgtcaagaa agcgagggcg cagcagctgc caggccctca 1980
gccgtggggg cagccatgct

```

```

<210> 6319
<211> 6345
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (31)...(6032)
<223> similar to gi35788 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 6319
gtctcctctg gatcttaact actgagcgca atgctgagcc atggagccgg gttggccttg 60
tgatcacac tgagcctgct gcagactgga ctggcggagc cagagagatg taacttcacc 120
ctggcggagt ccaaggcctc cagccattct gtgtctatcc agtgagaaat tttgggctca 180
ccctgtaact ttagcctcat ctatagcagt gacaccctgg gggccgcgtt gtgccctacc 240
tttcggatag acaacaccac atacggatgt aaccttcaag atttacaagc aggaaccatc 300
tataacttca agattatttc tctggatgaa gagagaactg tggctcttga aacagatcct 360
ttacctcctg ctagggttgg agtcagtaaa gagaagacga cttcaaccgg cttgcatgtt 420

```

tggtggactc	cttcttccgg	aaaagtcacc	tcatatgagg	tgcaattatt	tgatgaaaat	480
aacccaaaaga	tacagggggt	tcaaattcaa	gaaagtactt	catggaatga	atacactttt	540
ttcaatctca	ctgctggtag	taaatacaat	attgccatca	cagctgtttc	tggaggaaaa	600
cgttcttttt	cagttttatac	caatggatca	acagtgccat	ctccagtga	agatattggt	660
atttccacaa	aagccaattc	tctcctgatt	tcctggtccc	atggttctgg	gaatgtggaa	720
cgataccggc	tgatgcta	ggataaagg	atcctagt	atggcggtgt	tgtggacaaa	780
catgctactt	cctatgcttt	tcacgggctg	tcccctggct	acctctacaa	cctcactg	840
atgactgagg	ctgcagggct	gcaaaactac	aggtggaaac	tagtcaggac	agcccccattg	900
gaagtctcaa	atctgaaggt	gacaaatgat	ggcagtttga	cctctctaaa	agtcaaatgg	960
caaagacctc	ctgggaaatg	tggattctta	caatatcacc	ctgtctcaca	aagggacccat	1020
caaggaatcc	agagtattag	caccttggat	tacttgaaac	tcactttaaa	gagttagtcc	1080
ccggtcgact	ttattcaagt	tacttgttca	gctgtgtctc	tgggtgaact	gtctgtctcag	1140
aagatgggca	gtgggcagaa	catttccaga	caaagttgca	aacctggagg	caaacaataa	1200
tggcagatg	aggtctcttg	tagtgagctg	gtcgccccct	gctggagact	gggagcagta	1260
tcggatccta	ctcttcaatg	attctgtggt	gctgctcaac	atcactgtgg	gaaagggaaga	1320
aacacagtat	gtcatggatg	acacggggct	cgtaccggga	agacagtatg	aggtggaaagt	1380
cattgttgag	agtggaaatt	tgaagaattc	tgagcgttgc	caaggcagga	cagtccccct	1440
ggctgtcctc	cagcttcgtg	tcaaacatgc	caatgaaacc	tcactgagta	tcagtgtggca	1500
gacccctgta	gcagaatggg	agaaatacat	catttcccta	gctgacagag	acctcttact	1560
gatccacaag	tcactctcca	aagatgccaa	agaattcact	tttactgacc	tgggtgcctgg	1620
acgaaaatac	atggctacag	tcaccagtat	tagtggagac	ttaaaaaatt	cctcttcagt	1680
aaaaggaaga	acagtgcctg	cccaagtgc	tgacttgc	gtggccaacc	aaggaatgac	1740
cagtagtctg	tttactaact	ggacccaggc	acaaggagac	gtagaatttt	accaagtctt	1800
actgatccat	gaaaatgtgg	tcattaaaaa	tgaaagcatc	tccagtgaga	ccagcagata	1860
cagcttccac	tctctcaagt	ccggcagcct	gtactccgtg	gtggtaacaa	cagtgaagtgg	1920
agggatctct	tcccgcacaag	tggttgtgga	gggaagaaca	gtcccttcca	gtgtgaagtgg	1980
agtaacggtg	aacaattccg	gtcgtaatga	ctacctcagc	gtttcctggc	tgctggcgcc	2040
cggagatgtg	gataactatg	aggtaacatt	gtctcatgac	ggcaagggtg	ttcagtcacct	2100
tgctcattg	aagtctgtca	gagaatgttc	cttcagctcc	ctcaccaccag	gccgcctcta	2160
caccgtgacc	ataactacaa	ggagtggcaa	gtatgaaaa	cactccttca	gccaagagcg	2220
gacagtgcct	gacaaaagtc	agggagtcag	tgttagcaac	tcagccagga	gtgactattt	2280
aagggtatcc	tgggtgcatg	ccactggaga	ctttgatcac	tatgaagtca	ccattaaaaa	2340
caaaaaacaac	ttcattcaaa	ctaaaagcat	tcccaagtca	gaaaacgaat	gtgtatttgt	2400
tcagctagtc	cctggacggt	tgtacagtgt	cactgttact	acaaaaagtg	gacaatatga	2460
agccaatgaa	caagggaatg	ggagaacaat	tccagagcct	gttaaggatc	taacattg	2520
caacaggagc	actgaggact	tgcattgtgac	ttggtcagga	gctaattggg	atgtcgacca	2580
atatgagatc	cagctgctct	tcaatgacat	gaaagtattt	cctccttttc	accttgtaaa	2640
taccgcaacc	gagtatcgat	ttacttccct	aacaccaggc	cgccaataca	aaattcttgt	2700
cttgacgatt	agcggggatg	tacagcagtc	agccttcatt	gagggcttca	cagttcctag	2760
tgtgtgcaaa	aatattcaca	tttctcccaa	tggagcaaca	gatagcctga	cggtgaactg	2820
gactcctggt	ggggggagacg	ttgattccta	cacggtgtcg	gcattcaggc	acagtcaaaa	2880
ggttgactct	cagactattc	ccaagcacgt	ctttgagcac	acgttccaca	gactggaggc	2940
cggggagcag	taccagatca	tgattgcctc	agtcagcggg	tccctgaaga	atcagataaa	3000
tgtggttggg	cggacagttc	cagcatctgt	ccaaggagta	attgcagaca	atgcatacag	3060
cagttattcc	ttaatagtaa	gttggcaaaa	agctgctggt	gtggcagaaa	gatatgat	3120
cctgcttcta	actgaaaatg	gaatccttct	gcgcaacaca	tcagagccag	ccaccactaa	3180
gcaacacaaa	tttgaagatc	taacaccag	caagaaatac	aagatacaga	tcctaactgt	3240
cagtggaggc	ctcttttagca	aggaagccca	gactgaaggc	cgaacagtc	cagcagctgt	3300
caccgacctg	aggatcacag	agaactccac	caggcacctg	tccttccgct	ggaccgcctc	3360
agagggggag	ctcagctggt	acaacatctt	tttgtacaac	ccagatggga	atctccagga	3420
gagagctcaa	gttgaccac	tagtccagag	cttctctt	cagaacttgc	tacaaggcag	3480
aatgtacaag	atggtgattg	taactcacag	tggggagctg	tctaattgag	ctttcatatt	3540
tggtagaaca	gtcccagcct	ctgtgagtc	tctcagggg	tccaatcgga	acacgacaga	3600
cagcctttgg	ttcaactgga	gtccagcctc	tggggacttt	gacttttatg	agctgattct	3660
ctataatccc	aatggcaca	agaaggaaaa	ctggaaagac	aaggacctga	cggagtggcg	3720
gtttcaaggc	cttggtcctg	gaagggaagta	cgtgctgtgg	gtggtaactc	acagtggaga	3780
tctcagcaat	aaagtcacag	cggagagcag	aacagctcca	agtcctccca	gtcttatgtc	3840

```

atttgctgac attgcaaaca catccttggc catcacgtgg aaagggcccc cagactggac 3900
agactacaac gactttgagc tgcagtgggt gccagagat gcacttactg tcttcaaccc 3960
ctacaacaac agaaaatcag aaggacgcat tgtgtatggt ctctgtccag ggagatccta 4020
tcaattcaac gtcaagactg tcagtgggtga ttcctggaaa acttacagca aaccaatttt 4080
tggtatctgtg aggacaaagc ctgacaagat acaaaacctg cattgccggc ctgagaactc 4140
cacggccatt gcctgttctt ggatccctcc tgattctgac tttgatgggt atagtattga 4200
atgccggaaa atggacaccc aagaagttga gttttccaga aagctggaga aagaaaaatc 4260
tctgctcaac atcatgatgc tagtgcccca taagaggtag ctggtgtcca tcaaagtgca 4320
gtcggccggc atgaccagcg aggtggttga agacagcact atcacaatga tagaccgccc 4380
ccctcctcca ccccccacaca ttcgtgtgaa tgaaaaggat gtgctaatta gcaagtcttc 4440
catcaacttt actgtcaact gcagctgggt cagcgacacc aatggagctg tgaaatactt 4500
cacagtgggt gtgagagagg ctgatggcag tgatgagctg aagccagAAC agcagcacc 4560
tctcccttcc tacctggagt acaggcaca tgcctccatt cgggtgtatc agactaatta 4620
ttttgccagc aaatgtgccg aaaatcctaa cagcaactcc aagagtttta acattaagct 4680
tggtgagcag atggagagcc taggtggaaa atgcatgccc actcagcaaa aattctgtga 4740
tggtgactg aagccacaca ctgcctacag aatcagcatt cgagctttta cacagctctt 4800
tgatgaggac ctgaaggaat tcacaaagcc actctattca gacacatttt tttctttacc 4860
catcactact gaatcagagc ccttgtttgg agctattgaa ggtgtgagtg ctggtctgtt 4920
tttaattggc atgctagtgg ctggtgttgc cttattgatc tgcagacaga aagtgagcca 4980
tggtcgagaa agaccctctg cccgtctgag cattcgtagg gatcgaccat tatctgtcca 5040
cttaaacctg ggccagaaag gtaaccggaa aacttcttgt ccaataaaaa taaatcagtt 5100
tgaagggcat tcatgaagc tacaggctga ctccaaactac cttctatcca aggaatacga 5160
ggagttaaaa gacgtgggccc gaaaccagtc atgtgacatt gcactcttgc cggagaatag 5220
agggaaaaat cgatacaaca atatatgtcc ctatgatgcc acgcgagtga agctctccaa 5280
tgtagatgat gatccttggc ctgactacat caatgccagc tacatccctg gcaacaactt 5340
cagaagagaa tacattgtca ctgagggacc gcttcctggc accaaggatg acttctggaa 5400
aatggtgtgg gaacaaaacg ttcacaacat cgtcatggtg acccagtggt ttgagaaggg 5460
ccgagtaaa ggtgaccatt actggccagc ggaccaggat tccctctact atggggacct 5520
catcctgcag atgctctcag agtccgtcct gcctgagtg accatccggg agtttaagat 5580
atgcggtgag gaacagcttg atgcacacag actcatccgc cactttcact atacggtgtg 5640
gccagaccat ggagtcccag aaaccaccca gtctctgatc cagtttgtga gaactgtcag 5700
ggactacatc aacagaagcc cgggtgctgg gccactgtg gtgactgca gtgctgggtg 5760
gggtaggact ggaaccttta ttgcattgga ccgaatcctc cagcagttag actccaaaga 5820
ctctgtggac atttatggag cagggcacga cctaagactt cacagggttc acatggacca 5880
gactgagtg cagtatgtct acctacatca gtgtgtaaga gatgtcctca gagcaagaaa 5940
gctacggagt gaacaagaaa accccttgtt tccaatctat gaaaatgtga atccagagta 6000
tcacagagat ccagtctatt caaggcattg agaatgtacc tgaagagctc ctggataaaa 6060
attattcact gtgtgatttg tttttaaaaa cttgcttcat gccctacaga ggtgccagct 6120
atttctgttg atactatgta taatttatta atctggagaa tgtttaaaat tttatataat 6180
ttaaaggtaa cagatattat tgtacatagt tgtattttgt agtttcttct gtaaataatgt 6240
atttttcata atgtttaata ttaagcttta tataatacta tttttccaca ctaaagtgtt 6300
catgacttgt tctacataaa actaattcaa cctgtaaaaa aaaaa 6345

```

<210> 6320

<211> 1398

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1286)...(196)

<223> similar to gi4929831 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

```

<400> 6320
ttttgtgtga attcttaagc ttgtttttaca aaacttttta ttcattcagag ctgtagtgaa    60
atatcatcat tgtaattgat attctagcac tacaaaaggc acaatgaagc gttatttagt    120
tccagtactg gaaagacaga gggaacagca catccttcct tggacatgct ttggtgctgc    180
tgtaagtggg catcacagtt ttgattttct ggataagaag ttcaccacag catttggtgca    240
ttcatctgat agccatcttc cctgaaggac attgcattct tcagcattaa cagcgtgtag    300
tttttctctc tctcttttcc tgattacctc ttttgaaatt ctcaaggcat ttgggggaaag    360
ctttgcaaat gccttcagcc tggtcagac ttctttctga aaagtgtctat cagggaaaaac    420
ttcagtaaca agtccttgag cacatgcctc tcccgtgtgt aacttctttc caaaaaataag    480
catctctgtt gccttggctg ggctcattat ctccgaaaaa gtgtaagagg agcatccttc    540
cggacttttg cctaggtgac taaatggtgt atgaaatggt gccctgtcag atgcatacac    600
ggcatcgaat agcccaagga gggtgacgga gatgccaca gctggaccat tgaccactgc    660
aatcagaggc ttaggaaaaat ctataaaaaca gccacaaaat tccctcagta aaacggcatt    720
attttttagt ttctcctcta ctccaccagg gggaatatca gtgaagttag tcagatcatt    780
cccactactg taatagtcac catttcctgt taaaacagtg atgattgagt catccttgct    840
ggcagcttta agtcacgca taatttcatt atacatctca gtgtttatgg catttttctt    900
tttgaggccg gttgaacatg atctttgtga tgccatcttc gggaggtcac caccagagtt    960
tccaaaccca gttgatttcc tgtctgttcc aggtccacc tggactagga ggattcccaa   1020
tggaaggact caaaactgga caccaaatcc acatagttct gcctgggcag cttccttggg   1080
gcaggctgcc aagggcattc catgcgtccc atttggcctt gttgatcaag tcaaatacac   1140
ctgggttggg gcattttaca agttccttca gtggcctgct tatatagcgc gtagagtttt   1200
agcttcaact cgtttcctgg atcctttttc aagagtttca cttgatttat tgaattttca   1260
aagtccttct gactggctct cattgctgtt ctattcatgt gcagctgaac taccgggaaa   1320
ctagtgaact gcagagaact cggacacgaa cgccgcgcca gtctccaagc caagtacgcc   1380
atcgccatcc ctcgtgcc                                     1398

```

```

<210> 6321
<211> 7347
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (7111)...(448)
<223> similar to gi5225312 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 6321
tttttttttt ttaactgttc catcttttatt agaaaagcaa ccaaaaaaag ggtgaggggt    60
gagcctggcc ctaaaggacc cctccactgt gacacaggca gagccggctc atcccggcgt    120
cgaggggtgg atatggccag ctgggtgtgg gcagatttac aaagtcaaca cttcatagaa    180
aaggatgccg cctggcgtgc agatggcgac caatccacct tcacatggct aaggcggggc    240
cctcctcctc tgggctccca tgtggtgtgg acagcctgac ctgggtacag ggaggatgcc    300
atgaggaggt gggctgggca ggcctggggg ctgtgtgggg agtggcatcc atgtgggcct    360
ctggctcctg ccagggtcct gccagggggg cattccaggc ctggctgggt ccctggggcg    420
tggcggtggg gctgcagtgg cccctcaaat gtccatgtag tcgtcgtcct cgtctgtctc    480

```

gctctccagc	gaggactcct	ggctggatgt	ctccaggacc	tccagggctg	gctggcatag	540
gctctccttc	ctcacgttgg	cagcagactg	ggcagaaagg	atggctgact	tcagcttctg	600
cttggtctcc	tccgagatgc	tgcctttggg	ggagagcagg	gttgggggtg	gtggcgtgac	660
ggtgatctca	ggggggaact	tggtagcggc	ggaggggatg	accagctttg	gcatgttggg	720
cagggggcgg	gacttagccc	ggctgggctc	aggcttgcc	gggtgaccct	ctggtaggctg	780
ggcactccca	ctgctggggg	ccttggagct	ggcagctgtt	gggggagagc	tcaggggctg	840
agtctcactc	gcagcctcct	gagcctcccc	atcccttctc	ggctcaggcc	tcagtttccc	900
ctcctggctg	caggtgggct	cagcgccctgt	gcccagggca	gcctctgccg	gccagcagt	960
tggctctgcc	ggggaacttg	tgggggccat	cttcacctgc	ggactgtgcc	gtggctcctg	1020
aggcggaag	ctggtgccct	ctgccactct	cgccagctct	tctccctctg	ggcccagaga	1080
ggccatgctg	gggtagctt	caggcctgtg	tggccgggga	ggcccagggt	ccttggactg	1140
gtccagggtg	gaagctgatg	ctgacggagg	gcaggtgata	atagttgtgg	cggcagctag	1200
tgcagggcga	ggcttgggtg	gagcatcact	gggcccgtgg	acagagtcat	ctggcacagg	1260
gtcaggggct	gtggggacca	ctgtcacagg	aaagaagtcc	tctcggctgt	ccttgggggtg	1320
ctttggagt	gtgggggtgt	cccccgaggc	ctgtctctgg	gcggcagccc	caagatggac	1380
ctggcagaac	ttcacagcct	gctccagcgc	agcctcctca	tccacctgct	tgatgagcat	1440
gtaggtctcc	gacatgatcc	tctccacacg	gcccagggtca	taggccacac	ccttctggcc	1500
ctgctgccac	acacggtagg	catccaacag	aagtgtcttg	cctgactctg	tgtcctccag	1560
gagcttcctc	ttgcggtga	gccgggagag	cggtcctctc	gggtggcccc	ctgccctggt	1620
cctgtggtg	gtggcggggg	cgggggcggg	ggctggctgg	gctgggggtga	gcgggggtggg	1680
ctgctgccgg	gcactgatgc	tcagctcctc	cagggacagc	tcagtgggcc	ggctctcggg	1740
gccccggtcc	cctgcggggc	gacctggcag	caggggtggt	gtccgctcca	agtctgagt	1800
gcaaacagt	gcctcaactc	gtgtccaatg	ggctcagtgg	gccctgcccc	tgggctctct	1860
ttatccttcc	gctccccgct	ttggtctgca	ctgtctcctg	catccatggc	cacaggccgg	1920
tggttgagga	ggcccacttt	gcctcctggc	tcgggccctg	gccctgagcc	atcagccaga	1980
gggggcttct	tcggctgggg	gaggccctcc	tggccatcct	caggactggc	cctgtgtgag	2040
acatcggtgg	tcacctcggc	tccggggagg	ccacagacct	tgggccctgg	gcgttctgac	2100
cctctgcga	gctcgctcag	cgtgtcttcg	agcaccttca	cagtgaggat	gaaggccccg	2160
tgcgccagga	cctggcggtc	agcatctcgc	agatacttct	tgccctggtc	tggggctccg	2220
tgaagcatgg	aggacacctt	cagcagggtg	ctgtgtgccc	gcagctgggc	cagcaccttg	2280
agcagcagca	cgatggagcg	gttcatgtgc	caggcaaagc	tgcccggccg	gtcaatctcg	2340
tccacgggga	tccgccagat	gccgttgaag	aaattggctc	tgttcctctc	gcagaagagc	2400
cctgtgccc	gcatgtgctg	cagttgttgc	cacgggatac	tgtgcctag	caacacgtcg	2460
cgggcccact	ggaggttccg	gtgggtcttg	ctgtagggtg	agaggaaggc	cagacggtag	2520
agactcttat	agtgtcgggg	gaagcggtc	aggcacaggc	ggaaggaggc	gatgactgc	2580
tctgtgagaa	actgccgctg	ctcctcagca	ccagccggca	gcccctgggg	gaaggccact	2640
ggctcccctg	ggaggtcccc	tctcttcttc	ccatcccaca	gggtgggtgt	ggatgctgag	2700
ggcttgccag	ggatgcaagc	agaggctggg	gtttctgcag	caggcttctg	gacaccttgc	2760
tctgcagccc	ggaagccttc	tgtactctcc	aatgactcct	cgttttttcc	tctttcttct	2820
gtggccccct	gaagatcttt	accgctcgct	cctgcttggg	aactgagaat	gggcagcctc	2880
ttctctgtgt	aggatttcc	ggagccttcc	agtaagctgg	tgggctcatt	aaagaagtcc	2940
tgcgttgagc	tagagtctga	gagtgtctac	gctgtgctgt	cctggcttcg	gtcgtccggc	3000
gttgctgct	ggtgggggtt	tttacatttg	acgtaatcgt	ggtcaatcgg	agtggctgtg	3060
taaggtgggg	atgtcagacc	tgggccagag	gaggagggga	gggaggctcc	ggggccccgg	3120
agtgtcccag	ctgaagagt	ggagtcctcg	tccaccaggc	aggccttctc	cctttctgaa	3180
gctttgggtg	tgttcttctc	ctcgccccctg	gcaaagggtc	cttctgcagc	ctccttcata	3240
aagttgacca	ggacctctgc	accaacccca	gaatcgggct	tcccaggag	cttcaggatg	3300
gaagcatgga	gcccgaagta	cacctccagg	gcctccatgg	ccagctcagg	tgggttgtgg	3360
tagtgatct	tcttggggta	gcgggcagcc	tctcgtgca	ggtagtgccc	agcctgcctg	3420
tagtgacgca	agtaaaccgg	gggtggctgc	tgtgttctct	cagccacctt	gcccagcatg	3480
tagtgatga	gccactcctc	ctcgctacca	tcacctctgc	agcgggctgc	tgatgtgaaa	3540
cagtgtctgg	ctgtctctag	catgtgtctg	cgccggccct	ccatctgctg	cacgagctca	3600
gggggcagct	cgcctctcca	ctgcttcaat	tgacgtgagg	cgaatgagt	caaggcatag	3660
gacatggtgc	catactcaat	ccatagggac	aagttggagc	tgtcaatctc	cagggcccga	3720
cggagacagt	tcaagacggg	cgtggcatgc	ttccaaatgg	gcccatact	cttcagctca	3780
ttggagtcca	gcttgtcctg	aatgcggctg	gcccgggcca	gagccatgcc	tgcccaggaa	3840
tcaaacctat	tggggcagat	gcagatgtca	tgcagttaga	acttgatggc	ccttgactgc	3900

tccttgTTTT	tgaaatgata	atcagccagg	aggtagtaaa	gctcgttcac	cactggaggg	3960
gaggggtcag	ccccctctgg	gaggcaggg	acctcagttg	aagttccctc	aatgtaggca	4020
gagactttgt	ccaggctaag	ggctggcctc	tctgtgagag	gcacaatggt	ggcaattctc	4080
ttcagtaggt	tggccaagtc	agcagacacg	gtgctgggtc	tatagctgtc	aaattcagga	4140
aggggtcttg	gcttaaaaata	ctcaaacatg	aacagtgcac	cctcccatat	aagatccacc	4200
tgctggggccg	agtgttcctc	cagggtacctg	gccttactct	tcttgctggg	gaagctgtac	4260
aggcagtaga	agcactgctc	caaggctgtc	tccagctcct	ccttgtaagg	gtgcgtgtct	4320
tcagaggtgg	atgcagccag	ttccttcttg	agtactcgca	catagaatcg	cagcagagcc	4380
ccatctgaat	tgagcacca	ggaccttctg	cccaaatact	cgtgggctgt	gttcagcagc	4440
atgagggagg	atgggagcat	gggcgtctct	gacatccctt	cctccgctgg	gttttgagc	4500
tgctgctggt	ggcacagaga	atggaagggt	tcttcctcct	gccagatgat	ccggtgtaga	4560
atgatccagg	gtagcactga	agagacgtgg	ggctccttgg	cctcctcctg	cacagccatg	4620
ctgcagtcaa	tgacctggat	gaggttggtg	gtgagccgca	caaggccagt	ggtggaggat	4680
gataccttca	ggatgctacc	actgctgtcc	gcagagaggg	cctgctcgat	gccccatcagc	4740
agttgggtca	ctgtggccac	ccactcctcc	ttggcggcag	cctcacctga	gttcacccatc	4800
tgctggacag	cctcgttcag	agccacatcg	gaacactcaa	aacactgccg	atagtccttc	4860
agccggagca	aggagtccctg	cagaagaagc	agctgggctg	gcctctcagg	aatggaagtc	4920
ataaactcca	ggtgtttggc	ccggtcaaac	ccactgggtg	acaaagtggg	gcggagcaga	4980
tgacacacag	ccttgtagtc	gcctgcttca	tacagccgct	gaatctcctc	cagggactgg	5040
caccgctcca	gcgacttcag	gttcttatca	atctcctcca	gggaaaccac	agagtcatta	5100
tggaggttgg	gcagccggat	gacaatgtct	cttcgttcag	cccctgcctc	cacctggatg	5160
gcggtggaac	tctggagcat	ttctgtgcag	atgtcatagt	tctccagggc	ctgctccatg	5220
tctccctgca	gcgcccaggaa	gcgagccttc	agccagtaaa	cacggaccac	aaactccagc	5280
caaccatcct	cgaacagggtc	gcgctgggac	gaggcaaatg	acagctgtag	gaggtcaccc	5340
aggcagtggg	tccctgggaa	gtcaggtcca	aatctgccat	tcaccatacc	agcagggcag	5400
ttccgaggag	acactgcaga	gcttctgcct	ttggtcagca	gccactggtc	cagctggagt	5460
tccatgcagg	agagagacat	cagcatcatg	tccttgatgt	gcttggtgct	gcagtccttc	5520
agcagcgggt	tgggcaggct	ggtgctgtgc	ctcctccagc	tgtggtagac	gctgagcacg	5580
acctccgcca	agcctggagg	ccaccttacc	aagaacttgt	ggcccatggc	tttcaggtag	5640
cgcatacatca	gctccaggat	gcccccggtg	gttaggttct	ccagcaggaa	ctcatgcacg	5700
tcttgctttt	cagattccat	gaatgtggct	gagtcacatg	acagcctttg	aggcccaatg	5760
cttgggaagc	tttccagttt	ggcttctgac	tggacttcac	agttattaaa	ggaatcatct	5820
tcctcctcag	ggtccagctt	tcctaacctg	gacggcaaga	acttcacag	aagctcctgg	5880
aagtctactt	tctcttcttt	ttgcacttgg	tgtttcggac	acgggcagac	cgccgctttg	5940
ctgtttctcc	actctcttct	gaaatcttct	tccgttttac	ccctttcttg	gatttatctc	6000
ccccagaaat	atcacccaca	ggagcgcctg	tctccaacag	accaggactg	tgagtgggga	6060
agctggttgt	agccacagag	gtgtaggaga	ccacaggctc	ggcgacagcc	acagctgggt	6120
tgggtgctgac	agtgccttgg	tggatcacgt	taactggcgt	caccacccatg	gaggactcaa	6180
gaggctggct	ggggtcctgg	tagtccgaca	aatcaatcct	tttgccaagg	ctgggacgtg	6240
ggggctcaca	ggtggtgaga	tgattgtaca	tggccagcaa	gctctctccg	aggcacttcc	6300
aggtgaagaa	aggaatgggc	tgacacaagt	tcaggtcccg	ctccttctcc	cgcacaaatca	6360
gcgcttgctt	cttttttcgc	agccccaagg	cctcatctac	aatcgccctg	gtctcagctg	6420
cactcaccga	aacatcgtga	atcgacatgt	cacatttgag	gaacattctg	agagaggtcc	6480
ttccggagac	aaggctgctc	ctcaaaaatc	ttctccttga	ggaccagccc	tttgctgtac	6540
cggcaatcct	tctccaaagc	tttgagagat	gaagtacaga	catgttgtgt	aatcactgag	6600
ggtgtacagg	acagtgatta	ggttatccaa	acagggccag	tggtcaggat	tgacccgcag	6660
cccttccctca	aaagcatggc	gagccagggg	gatccggatg	agcctcaggg	ccacatgtcc	6720
aatcttatac	cagaggttga	catctgttga	gtccagcatc	actgcctcta	agtagaactc	6780
catggctgtc	tccagatcct	cccgtctggc	gtccagctgg	gccaagtctc	tataagtgga	6840
atatttcagt	atcagcccag	ggtgtttcaa	cccctctttc	tcacacccgg	atgaaactgc	6900
ctcccgacgc	aggctcgcct	ccaagagctc	atggtaggct	ttggcagact	cctcaaaccg	6960
gtcatgtttc	tgcatatcaa	gggccttgtg	gtacaatgca	aaagcctctg	cttcctgagc	7020
ctcctttgtc	tgggttttgt	gactttttaa	gcttccttca	tgatcatcct	caatggtgga	7080
gctggcattt	aaggctgcaa	ttcgaatcat	attcagagag	attcagcact	gccacgagca	7140
tcactttctca	tcactggcaa	aggttgcccc	agtccacaac	tctccaggcg	tctccacagc	7200
aacggccagt	ctgtcccagc	caccgcgccc	tccggctgcg	cgcctgacaa	caaggcgtgc	7260
tccatttggc	tccgggtgccg	gttgtgcccag	ccaatcagcg	ggggcgcacg	caccgctcgc	7320

tctccgcggg ctgcttagct gacgaaa

7347

<210> 6322  
<211> 1355  
<212> DNA  
<213> Homo sapiens  
  
<220>  
<221> misc\_feature  
<222> (171)...(794)  
<223> similar to gi4538973 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 6322  
cgacccacgc gtccgcttgc gcgagccggg ctgtcgggtg tgttttgctc tccagcctcc 60  
gtcgtctctg cagcactccg ggttctcctc cagagcgcta gtcccaggag ctcggaatgt 120  
tcgtggaact taataacctg cttaacacca cccccgacag ggcggagcag gggaaactga 180  
ctctactctg tgatgccaaag acagatggga gtttccttgt acaccacttt ctctccttct 240  
atctcaaagc taattgtaaa gtctgctttg tggcactcat ccagtccttc agccactaca 300  
gtatcgtggg acagaagctg ggtgtcagcc tgaccatggc gcgggagcgt gggcagcttg 360  
tgttccttga gggactcaag tctgcagtgg acgtcgtctt ccaggctcaa aaggagccac 420  
acccctgca gtttctcagg gaggctaatt ctgggaactt gaaaccattg tttgagtttg 480  
tacgggaggc cctgaagcca gtagacagtg gagaggctcg gtggacgtac ccggtgctgt 540  
tgggtggacga cctcagtgtg ctctgagcc tgggcatggg ggcggtggct gtgctagact 600  
tcattcacta ctgcagagcc accgtgtgct gggaactaaa gggaacatg gtggtccttg 660  
tgcacgacag tggagatgcg gaggatgagg agaattgacat cctgctgaat ggcctcagtc 720  
atcagagcca tctgatactg cgggctgagg gcctggccac tggcttctgc agggatgtgc 780  
acgggcagct gaggatcctg tggaggagac catcgcagcc cgcagtccac cgggatcaga 840  
gcttcactta ccagtataag atacaggaca aaagcgtgtc cttttttgcc aaaggaatgt 900  
ctcctgctgt tctgtgacct gatttcggag cagctgaagc tacataggac tgtttttgga 960  
cgtggaagat agagcaacat agcaagaatg ggtctttctc ctctgtagta atatttcagg 1020  
ctggaccggc gactccactg tgaccagagg gttgagtgtc gcagtgatgg catgccttgg 1080  
ctgccctggg ccctgttcag aaaacacaag ggaccacaat cctgcctttg ctgagagaga 1140  
ggctggatgc tagaccaag tgaaaaggggt cctttggagc ctttgtttaa atatgcctta 1200  
gccccagctg cccatttttg gttgacaagc ctttcagagc cagagtgggt atagatgtgc 1260  
cagccaggag atggcaccgg atggcagggt tgcaagggtga caactaggat aatcatggct 1320  
ggaataaagt aagtttccac actggaaaaa aaaaa 1355

<210> 6323  
<211> 836  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (97)...(707)

<223> similar to gi5441879 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 6323

gacccacg	cg	tccgcccacg	cg	tccgggcca	gg	aggcgag	tg	gaagtggc	cg	tg	ggggcg	60
gtatgggact	ag	ctggcg	tg	cgccctga	gac	gctcagc	gg	gctatata	ct	cg	tcggtg	120
gggcccggcg	tc	agctctgcg	gc	agcggcag	ca	agacggtg	ca	gtgaagga	ga	gt	ggggcg	180
ctggcggggt	cc	gcagtttc	ag	cagagccg	ct	gcagccat	gg	ccccaatc	aa	gg	tg	240
atgccatccc	ag	cagtgag	gt	gtttgaag	gg	gagccagg	ga	acaaggtg	aa	cc	tg	300
agctgttcaa	gg	gcaagaag	gg	gtgtgctgt	tt	ggagttcc	tg	gggccttc	ac	cc	ctgg	360
gttccaagac	ac	acctgcca	gg	gtttgttg	ag	caggctga	gg	ctctgaag	gc	ca	aggag	420
tccagggtgt	gg	ctgtctg	agt	gttaatg	at	gcctttgt	ga	ctggcgag	tg	gg	gccgag	480
cccacaaggc	gg	aaggcaag	gt	tcggctcc	tg	gctgatcc	ca	ctggggcc	tt	tg	gggaag	540
agacagactt	att	actagat	gat	tcgctgg	tg	tccatctt	tg	ggaatcga	cg	tc	caaga	600
ggttctccat	gg	tggtacag	gat	ggcatag	tg	aaggccct	ga	atgtggaa	cc	ag	atggca	660
caggcctcac	ct	gcagcctg	gc	acccaata	tc	atctcaca	gt	ctgaggc	cc	tg	ggccag	720
attacttcct	cc	acccctcc	ct	atctcacc	tg	cccagccc	tg	tgctgggg	cc	ct	gcaatt	780
ggaatgttgg	cc	agatttct	gc	aataaaca	ct	tgtggttt	gc	ggccaaaa	aaaa			836

<210> 6324

<211> 3654

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (24)...(3261)

<223> similar to gil531548 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 6324

cttttctaag	ct	ttctgtgt	ta	cccccggt	tc	cgctgtct	tt	ctgtcta	ca	gt	tttgcga	60
tccccgcgtc	ca	gatggag	ca	gctgaacg	aa	ctggagct	gt	gatggag	aa	ga	gttttt	120
gggaggaggc	gg	agctgccg	gc	ggagctat	tt	cagaagaa	ag	tggtagct	tc	ct	ttccaa	180
gaacagttct	ga	gcacagga	at	ggataacc	gg	tacctggt	gt	ggcagtc	aa	ta	ctgtac	240
agaacaaaga	gg	gaaactgt	ga	aaagcgcc	tg	gtcatcac	tg	cttcacag	tc	actagaaa		300
ataaagaact	at	gcacctct	ag	gaatgact	gg	gtttctgt	tc	cagtagag	cc	aggagata		360
tcattcattt	gg	aggggagac	tg	cacatctg	ac	acttggat	aa	tagataaa	ga	ttttggat		420
atttgattct	gt	atccagac	at	gctgattt	ct	ggcaccag	ca	tagccagt	ag	tattcgat		480
gtatgagaag	ag	ctgtcctg	agt	gaaactt	tt	aggagctc	tg	atccagcc	ac	acgccaaa		540
tgctaattgg	ta	cggttctc	cat	gagggtgt	tt	caaaaagc	ca	taataaat	ag	ctttgccc		600
cagaaaagct	aca	agaactt	gt	ttttcaaa	ca	attcaaga	aa	taagacat	tt	gaaggaaa		660
tgtaccgctt	aa	atctaagt	ca	agatgaaa	ta	aaacaaga	ag	tagaggac	ta	tcttcctt		720
cgttttgtaa	at	gggcagga	gat	ttcatgc	ata	aaaacac	tt	cgactgac	tt	ccctcaga		780
tgacagctctc	tc	tgccaagt	gata	aatagta	agg	ataattc	aa	catgtaac	at	tgaagtcg		840
tgaaaccaat	gg	atattgaa	gaa	agcattt	gg	tcccctag	gt	ttggattg	aa	aggcaaaa		900
tagatgttac	ag	ttggtgtg	aaa	atacatc	ga	gggtataa	aa	caaaatac	aa	gataatgc		960



cgctggaact	taaaactggc	aaagaatcaa	attctattga	acaccgtagt	caggttgttc	1020
tgtacactct	actaagccaa	gagagaagag	ctgatccaga	ggctggcttg	cttctctacc	1080
tcaagactgg	tcagatgtac	cctgtgcctg	ccaaccatct	agataaaaaga	gaattatttaa	1140
agctaagaaa	ccagatggca	ttctcattgt	ttcaccgtat	tagcaaatct	gctactagac	1200
agaagacaca	gcttgcttct	ttgccacaaa	taattgagga	agagaaaact	tgtaaattatt	1260
gttcacaaat	tggcaattgt	gctctttata	gcagagcagt	tgaacaacag	atggattgta	1320
gttcagtccc	aattgtgatg	ctgcccaaaa	tagaagaaga	aaaccagcat	ctgaagcaaa	1380
cacacttaga	atatttctagc	ctttggtgtc	taatgttaac	cctggagtc	caatcgaagg	1440
ataataaaaa	gaatcaccaa	aatatctggc	taatgcctgc	ttcggaaatg	gagaagagtg	1500
gcagttgcat	tggaaacctg	attagaatgg	aacatgtaaa	gatagtttgt	gatgggcaat	1560
atttacataa	tttccaatgt	aaacatgggt	ccatacctgt	cacaaatcta	atggcagggtg	1620
acagagttaa	tgtaagtgg	gaagaaaagg	cactgtttgc	tttgtctaga	ggatatgtga	1680
aggagattaa	catgacaaca	gtaacttgtt	tattagacag	aaacttgtcg	gtccttccag	1740
aatcaacttt	gttcagatta	gaccaagaag	aaaaaaattg	tgatatagat	acccattag	1800
gaaatctttc	caaattgatg	gaaaaacacgt	ttgtcagcaa	aaaacttcga	gatttaatta	1860
ttgactttcg	tgaacctcag	tttatatcct	accttagttc	tgttcttcca	catgatgcaa	1920
aggatacagt	tgcttgcatt	ctaaaagggtt	tgaataagcc	tcagaggcaa	gcgatgaaaa	1980
aggtaacttct	ttcaaaaagac	tacacactca	tcgtgggtat	gcctggggaca	ggaaaaacaa	2040
ctacgatatg	tactctcgta	agaattctct	acgcctgtgg	tttttagcgtt	ttgttgacca	2100
gctatacaca	ctctgctgtt	gacaatatct	ttttgaagtt	agccaagttt	aaaataggat	2160
ttttgcgttc	gcgtcacgat	tcagaagggtt	catccagcta	tccagcaatt	tacagagcat	2220
gaaatttgca	gatcaaagtc	cattaaatcc	tgtagctctt	ctagaagaac	tctacactag	2280
tcaacttata	gatgcaacaa	catgtatggg	aataaaccat	ccaatatttt	cccgtaaaat	2340
ttttgatattt	tgtattgtgg	atgaagcctc	tcaaattagc	caaccaattt	gtctggggcc	2400
cctttttttt	tcacggagat	ttgtgttagt	gggggaccat	cagcagcttc	ctcccctggt	2460
gctaaaccgt	gaagcaagag	ctcttggcat	gagtgaagc	ttattcaaga	ggctggagca	2520
gaataagagt	gctgttgtag	agttaaccgt	gcagtacaga	atgaacagta	aaattatgtc	2580
cttaagtaat	aagctgacct	atgagggcaa	gctggagtg	ggatcagaca	aagtggccaa	2640
tgcaagtata	aacctacgtc	actttaaaga	tgtgaagctg	gaactggaat	tttatgctga	2700
ctattctgat	aatccttggg	tgatgggagt	atttgaacc	aacaatcctg	tttgtttcct	2760
taatacagac	aagggtccag	cgccagaaca	agttgaaaa	ggtggtgtga	gcaatgtaac	2820
agaagccaaa	ctcatagttt	tcctaaccctc	catttttgtt	aaggctggat	gcagtcctc	2880
tgatattggg	attattgcac	cgtagaggca	gcaattaaag	atcatcaatg	atttattggc	2940
acgttctatt	gggatggctg	aagttaatac	agtagacaaa	taccaagata	agggacaaaa	3000
gtattgtcct	agtatctttt	gttagaagta	ataaggatgg	aactgttggg	gaactcttga	3060
aagattggcg	acgtcttaat	gttgctataa	ccagagccaa	acataaaactg	attcttctgg	3120
ggtgtgtgcc	ctcactaaat	tgctatcctc	ctttggagaa	gctgcttaat	cattttaaact	3180
cagaaaaatt	aatcattgat	cttccatcaa	gagaacatga	aagtctttgc	cacatattgg	3240
gtgactttca	aagagaataa	aacactatct	cccttgccct	ttcatactag	ggcagtatct	3300
cctctagcta	gtgcccatat	agaaaattct	atcaccatac	aaaatttaaat	gcagtattta	3360
tgtttttaaag	cacaggtgta	ccgaaaactg	tgaaaagtct	gaatttatgg	gttctatgca	3420
tgcatTTTTTg	cctaacctag	agaaaagagtt	tgataaaattt	ttaccagctt	tgaagatgga	3480
ttactTTTTg	actttgagct	ttaaactttt	aagtcagaca	tttcaggact	aatttgattt	3540
tgtagatatc	attgtaagaa	ctttattttga	aagactgaat	aaagggattt	gatttgtttt	3600
catcatTTTaa	gcacagtctt	gtgatgatga	gaacataagt	gtgaaaaaaa	aaaa	3654

<210> 6325  
 <211> 2898  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature

<222> (39)...(2899)

<223> similar to gil469195 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 6325

tttcgtgtcg	ttccgccacc	tcccagtcgg	gttgcggtgg	aggccgttcc	tggctttgta	60
gctcgctcaa	gatggcgggc	cagccacccc	gcgggatacg	cctcagcgcg	ctttgcccga	120
agtttttaca	tacaaattct	actagtcaca	cctggccatt	cagtgcagtt	gctgaattaa	180
tagataatgc	ttatgatcct	gatgtgaacg	ctaaacaaat	atggattgac	aaaacagtga	240
taaatgacca	tatatgcttg	acattcaccg	acaatgggaa	tggtatgact	tctgataaat	300
tacataaaaat	gctaagcttt	ggcttcagtg	acaaagtcac	catgaatggg	catgtcccag	360
ttggattata	tgggaatggc	ttcaagtcgg	gttctatgcc	gtctgggtaa	agacgcaatc	420
gtttttacca	aaaatggaga	aagcatgagc	gtgggccttt	tgtctcagac	ctaccttgga	480
agtcataaaa	gcggagcatg	ttgttgttcc	aatagtggca	ttcaacaagc	accgacagat	540
gattaatttta	gcagaatcaa	aagccagcct	tgctgcaatt	ctggaacatt	ctctgttttc	600
cacggaacag	aagttagctg	cagaacttga	tgctattata	ggcaagaagg	ggacgaggat	660
catcatttgg	aatcttagaa	gctacaaaaa	tgcaacagag	ttcgattttg	aaaaggataa	720
atatgatatc	agaattcccg	aggatttaga	tgagataaca	gggaagaagg	ggtacaagaa	780
gcaggaaagg	atggaccaga	ttgcccctga	gagtgactat	tccctgaggg	cttattgcag	840
tatattatat	ctaaagccaa	gaatgcagat	catcctacgt	ggacagaaag	tgaagacaca	900
gctggtttcg	aagagtcttg	cctacatcga	acgtgatgtt	tatcgaccaa	aatttttatc	960
taaaacagtg	agaattacct	ttggattcaa	ctgcagaaat	aaagatcatt	atgggataat	1020
gatgtatcac	agaaatagac	tcatcaaagc	ttatgaaaaa	gttgatgtc	agttaagggc	1080
aaacaacatg	ggtgttgagg	tggttggaaat	tatagagtgt	aatttcctta	agccaaactca	1140
taataaacaa	gatttcgact	atactaata	gtacagactt	acaataacag	cactaggaga	1200
aaagctgaat	gattactgga	atgaaatgaa	agtgaagaaa	aatacagaat	atcctctaaa	1260
tttgccagtt	gaagatatac	agaagcgtcc	tgatcagaca	tggttccagt	gtgatgcctg	1320
tctaaagtgg	cggaaattac	ctgatgggat	ggatcaactt	cctgaaaaat	ggtattgctc	1380
caataaccca	tgacccacag	ttcagaaatt	gtgaggttcc	agaagaacct	gaagatgagg	1440
atttgggtaca	tcccacttat	gaaaaaacct	acaaaaagac	caacaaggaa	aaattcagga	1500
tcagacagcc	ggaaatgatc	cctcggatta	atgctgaact	gttggttcgg	ccaactggct	1560
ctttcaactc	caagtctttt	cttctcctaa	ggaaagtgtt	tccaaaagaa	gcatctttca	1620
gaaggaacaa	attcttatgc	gacaagactt	ctaaataatc	atcaagttcc	acctcagtct	1680
gaacctgaga	gcaacagctt	gaaacggaga	ctttctactc	gttcctcaat	tttgaatgca	1740
aagaatcgga	gattggagta	gtcagttttg	aaaattcagt	ttataaagg	ggatgatgat	1800
gatgaagatg	tcatcatctt	agaagaaaac	agtaccccca	aacctgcagt	agatcatgat	1860
attgacatga	aatcagaaca	gagtcacgtt	gagcaagggt	gtgttcaggt	tgagtttgtg	1920
ggtgacagtg	aaccttgttg	ccagactggt	tcaacaagca	cctcatcatc	ccgatgcgac	1980
caggggaaata	ctgcagctac	ccagactgaa	gtaccaagtt	tagttgttaa	aaaagaagaa	2040
actgttgaag	acgagataga	cgtaagaaat	gatgcagtga	ttctgccctc	ctgtgtagaa	2100
gctgaagcaa	agatacatga	aaaccaggaa	accaccgata	aatctgcaga	tgatgcaggc	2160
tgccaattac	aagaactgag	aaaccagcta	ctccttgtca	ctgaggaaaa	agagaattat	2220
aaaagacagt	gtcatatgtt	tactgatcaa	atcaaagtgt	tacaacagag	gatactagaa	2280
atgaatgaca	agtatgttaa	gaaagaaact	tgccatcagt	ccactgaaac	cgatgctgta	2340
tttttacttg	aaagtattaa	tggtcaaatct	gaaagtccag	accatatggt	atctcagtat	2400
cagcaagctt	tggaagaaat	agaaaggctg	aaaaaacaat	gtagtgtttt	gcaacatgta	2460
aaggctgaat	gcagccagtg	ttccaataat	gagagttaaa	gtgaaatgga	tgagatggct	2520
gtgcagcttg	acgatgtgtt	tagacaactg	gacaaatgca	gtattgagag	ggaccagtat	2580
aaaagtgagg	ttgaattgct	ggaaatggaa	aagtcacaaa	tccgttcaca	gtgtgaagaa	2640
ctcaaaactg	aagtagaaca	gttaaaatct	acaaatcaac	agacggcaac	agatgtttca	2700
acatcaagta	acattgagga	gtctgtaaat	catatggatg	gagaaagcct	caaactccga	2760
tctcttcgag	ttaacgtagg	acaactgctg	gctatgattg	tgcttgatct	tgatcttcag	2820
caagtgaatt	acgatgttga	tgtagttgat	gagattttag	gacaagttgt	tgaacaaatg	2880
agtgaaatca	gtagtact					2898

<210> 6326  
 <211> 2123  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <221> misc\_feature  
 <222> (99)...(1609)  
 <223> similar to gi5726241 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 6326  
 gcgcgtttcc tgaagggtcga tggccagggtg gtcttcataa actatactgc cttgtgatgc 60  
 ctccctagaa atgagagggtc tcaataccag ctccagaccat gtggaccgcg gatgagattg 120  
 ctccagctatg ctatgaacac tatgggatca ggctgcccac gaagggggaag cctgagccaa 180  
 accatgagtg gacattattg gcagcgggtg tgaagatata atctccagct gacaaggcct 240  
 gcgacacccc tgataagccg gtgcaagtga caaagggaagt tgtgtcaatg ggaacaggaa 300  
 caaaatgcat aggacagtcc aaaatgagga agaacggaga catcctcaat gatagccatg 360  
 ctgagggtcat agccagaagg agttttccaaa ggtaccttct ccaccaactc cagttggcag 420  
 ccaccctgaa agaggatagc atctttgtcc caggaaactca aaaaggagtg tggaaactta 480  
 gacgagacct catttttgtg tttttctcca gccatacacc ctgtggggat gcctccatca 540  
 ttccgatgct tgagtttgaa gatcagcctt gctgtcctgt cttcagaaat tgggccaaca 600  
 actcatcagt agaagccagt agtaacctgg aagctcctgg aaatgaaaga aaatgtgaag 660  
 accctgacag tcctgtaacc aaaaagatga ggcttgagcc tgggactgca gccaggagg 720  
 tcaccaacgg agcagctcac catcagagtt ttggcaagca gaaaagtggc ccaatctcac 780  
 caggcatcca cagctgtgat ctactgttag agggactggc tactgtcacc agaataagccc 840  
 ctggtagtgc caaagtgata gacgtttata gaactggagc caagtgtgta cctggagaag 900  
 ctggagactc cggaaagccg ggtgctgcgt ttaccagggt ggggctgctc cgagtgaagc 960  
 caggccgtgg agacagaaca cgctccatgt cctgtagtga caagatggcc cgatggaacg 1020  
 tcctcggatg ccaaggggca ctgttgatgc acttgctgga agagcccac tacctgtcag 1080  
 ctgtggtcat tgggaagtgc ccatacagcc aggaagccat gcagagagca ctgattgga 1140  
 ggtgtcagaa agtgggtctgc ttaccacaaa ggcttcggag ttcaagaatt aaaaatactg 1200  
 cagtcagatt tactatttga acagagccgc agtgcggtgc aggcacaaaag ggctgatagc 1260  
 ccagggtcgc ttgttccttg tgggggcagc catcagctgg agtgcagttc ctgagcagcc 1320  
 tttggatgtt actgccaatg gctttccaca gggaacaaca aagaaaacaa ttggaagcct 1380  
 tcaggcaaga tcccaaatca gcaagtggga actcttcaga tcattccaga agctgctaag 1440  
 cagaattgca agggacaagt ggccacactc cctcagggtg cagaagctgg atacctacca 1500  
 ggagtacaag gaggctgcgt cctcttacca ggaagcctgg agcacactcc ggaagcaggt 1560  
 gtttggatcc tggatcagaa acccaccgga ttatcaccag ttcaagttag aaggaaatgt 1620  
 ttgctctggt agcaggacc ttcatcctga actgccttcc tccacgcagg acaagtctta 1680  
 gcttttttgg tagttaaatc agggcaacatt ctttctgagc tttgcatctc tgttgtgtaa 1740  
 tacagatgga atctggaact tagagcaagc tatacttgat tgaagtagct ctctgctaaa 1800  
 atggcatctc actaatgacc tcaatatctg acttccattg tgttttattg cttctctaaa 1860  
 atatgaaatc agagtgttga acatgatgct ttgaaagtac tctgcagcag ctctgtttta 1920  
 tgggttccta cattgattca gcaaatatatt attgagctga aatgatgttt gacgctctgc 1980  
 aagttttaca gctttgcta gcatagcgaa catatatatt gtattcccag cttttctttc 2040  
 ttcaggggagc cattcttttc ccattcttca gtgatcctgc tctgtgcctc agacttggct 2100  
 gaaggtaacc ttactccctg gct 2123

<210> 6327  
 <211> 2507  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <221> misc\_feature  
 <222> (329)...(1496)  
 <223> similar to gi442368 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 6327

agagagagag	agatcaagag	aaatcaccca	gcctgtgcct	ggagctacag	cgaataacgg	60
aacttgagtc	tcctacaccc	ctgatttgca	tccctgatga	taagaacagg	ttggcaaaga	120
aaatgtttac	ccaaccaatt	tgctgtgttt	ggggagttat	cagtcctcac	agtccgcgat	180
gctggcgatt	accttgtaaa	taatgcatgg	gccacttctg	gttcccagtg	tgctggctgt	240
gtgggaaagg	gcaatgtctg	tacgagcagg	cagagaagat	tgctggcac	ctactgcggc	300
tgttttgctg	aacctgttgc	ccttttgaca	ggtgcagaac	atgtctcaat	ccatagaggt	360
cttgagacagg	cggacccaga	gagacttgca	gtacgtggag	aagatggaga	accaaatagaa	420
aggactggag	tccaagttca	aacagggtga	ggagagtcac	aagcaacacc	tggccaggca	480
gtttaaggcg	ataaaagcga	aaatggatga	acttaggcct	ttgataacctg	tgttggaaga	540
gtacaaggcc	gatgccaaat	tggtattgca	gtttaaagag	gaggtccaga	atctgacgtc	600
agtgtctaac	gagctgcaag	aggaaattgg	cgcctatgac	tacgatgaac	ttcagagcag	660
agtgtccaat	cttgaagaaa	ggctccgtgc	atgcatgcaa	aaactagctt	gcgggaagtt	720
gacgggcatc	agtgaccccg	tgactgtcaa	gacctccggc	tcgaggttcg	gacccctggat	780
gacagaccct	ctcgcccctg	aaggcgataa	ccgggtgtgg	tacatggacg	gctatcacaa	840
caaccgcctt	gtacgtgagt	acaagtccat	ggttgacttc	atgaacacgg	acaatttcac	900
ctcccaccgt	ctccccacc	cctggtcggg	gcacggggtc	aggtggtcta	caacgggttc	960
tattctactt	tcaacaagtt	ccagagccac	atcattcatc	caggtttgac	ctgaagacag	1020
agaccatcct	caagacccgc	agcctggact	atgccgggta	caacaacatg	taccactacg	1080
cctgggggtg	ccactcggac	atcgacctca	tggtggacga	gagcgggctg	tgggccgtgt	1140
acgccaccaa	ccagaacgct	ggcaacatcg	tggtcagtag	gctggacccc	gtgtccctgc	1200
agaccctgca	gacctggaac	acgagctacc	ccaagcgcag	cgcgggggag	gccttcatca	1260
tctgcggcac	gctgtacgtc	accaacggct	actcaggggg	taccaagggtc	cactatgcat	1320
accagaccaa	tgccctccacc	tatgaataca	tcgacatccc	attccagaac	aaatactccc	1380
acatctccat	gctggactac	aaccccaagg	accggggcct	gtatgcctgg	aacaacggcc	1440
accagatcct	ctacaacgtg	accctcttcc	acgtcatccg	ctccgacgag	ttgtagctcc	1500
ctcctcctgg	aagccaaggg	cccacgtcct	caccacaaag	ggactcctgt	gaaactgctg	1560
ccaaaaagat	accaataaca	ctaacaatac	cgatcttgaa	aaatcatcag	cagtgcggat	1620
tctgacatcg	agggatggca	ttacctccgt	gtttctccct	ttcgagccgg	cgggccacag	1680
acgtcggaag	aaactcccgt	atttgcagct	ggaactgcag	cccacggcgc	cccggttttc	1740
ctccccgcc	tgtccctctc	tggtcaaaaca	acatactaaa	gaggcgaggc	aatgactgtt	1800
ggccagttct	caccggggaa	aaacccactg	ttaggtatggc	atgaacattt	ccttagactcg	1860
tggtcagctc	cgagggaatgt	ggcgtccagg	ctctttgaga	gccatgggct	gcacccggcc	1920
gtaggctagt	gtaactcgca	tcccattgca	gtgccgtttc	ttgactgtgt	tgctgtctct	1980
tagattaacc	gtgctgaggc	tccacatagc	tcctggacct	gtgtctagta	catactgaag	2040
cgatggtcag	agtgtgtaga	gtgaagttgc	tgtgccca	ttgtttgaac	tcgcgtaccc	2100
cgtagataca	ttgtgcaacg	ttcttctgtt	attcccttga	ggtggtaact	tcgtatgttc	2160
agtttatgcg	atgattgttg	taaatgcaat	gccgtagttt	ggattaataa	gtggatgggt	2220
tttgtttcta	aaaagaaaaa	aaaaatcagt	gttcaccctt	atagagacat	agtcaagttc	2280

atgttgataa	taatcaaagg	aattactctc	ttcttggttaa	attagctaaa	tcatgtaacc	2340
gcagatagga	agggctcgcc	tggggaaact	ctggtttccg	atgggacagg	aaagtcatac	2400
gggcaacagt	atgcggaaag	tacgtttttt	aagtaaaaaa	caaaggcaaa	ctttgtacta	2460
tccagttatc	taaggaacaa	taaaaacatt	aggagataaa	aaaaaaa		2507

<210> 6328

<211> 3994

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (397)...(2976)

<223> similar to gi3043736 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 6328

tcaactccaac	ggctgccggg	actgatgcac	aacttacaga	catttttgtt	ggatggaaac	60
tttctccaat	cccttcctgc	tgagttggag	aacatgaagc	agcttagtta	tctgggtcctt	120
tctttcaatg	aattttactga	cattcccga	gtattggaga	aattgactgc	tgtggataaa	180
ctttgtatgt	ctggaaactg	tgtggagacc	cttaggctac	aggctttaag	aaaaatgcct	240
cacattaaac	atgtggatct	aaggttgaac	gtaattagga	agctgatagc	agatgaagtg	300
gactttctac	agcatgttac	tcagcttgac	ctacgagaca	ataagcttgg	tgatctagat	360
gctatgattt	tcaacaacat	tgaagtttta	cactgtgaaa	ggaatcaact	ggtcacatta	420
gacatctgtg	gctatttcct	aaaagcgctc	tatgcctctt	ctaatagaact	tgttcaactt	480
gatgtttacc	cagttccaaa	ttatctgtcc	tacatggatg	tttcaaggaa	ccgcttagga	540
aaatgtgcct	gagtggttat	gtgaaagccg	aaagctagaa	gttttggata	ttggccataa	600
tcaaatatgt	gaacttcctg	cccgttattt	ttgtaatagc	agtctccgga	aactactggc	660
aggacacaac	cagttggcaa	ggctgcctga	aaggctagaa	agaacctcgg	tggagggtcct	720
ggatgtgcaa	cacaaccagc	tccttgagct	cccacctaac	cttctgatga	aggctgacag	780
cctgagattc	ctgaacgcct	ctgcgaacaa	actggaaagc	cttcctccag	ccacgctttc	840
cgaagagaca	aacagtatct	tacaagagtt	gtatttgaca	aataacagcc	tcacagacaa	900
atgtgtgccc	ttgttaacgg	gacaccccca	tttgaagatc	cttcacatgg	cctataaccg	960
acttcagagt	tttccagcaa	gtaaaatggc	gaaactggag	gaacttgaag	aaattgatct	1020
cagtgggaat	aagctgaaag	ccatcccaac	aacgatcatg	aattgcaggc	gcatgcacac	1080
cgtgattgct	cactccaact	gcatcgaggt	ctttcccgaa	gttatgcagc	tcccagagat	1140
caagtgtgtg	gacctgagct	gtaatgagct	aagtgaagtc	acattaccag	aaaacctgcc	1200
tccaaactg	caggagctag	acctgactgg	aaacccgcgc	cttgtccttg	atcacaaaaac	1260
cctggaacta	ctgaataata	tccgctgttt	caagattgat	cagccttcta	caggagacgc	1320
ttccggagcc	ccagctgtat	ggagtcatgg	ttacactgaa	gcttcggggg	taaaaaacia	1380
gttgtgtgtc	gcagccctgt	cggtgaataa	cttctgtgac	aaccgcgaag	ccctgtatgg	1440
tgtgtttgac	ggagaccgga	atgtggaggt	gccctacctt	ctccagtgc	ctatgagtga	1500
cattttggct	gaagagctgc	aaaaaaaaac	aaaaaacgaa	gaagaataca	tgggtcaatac	1560
attcattgtc	atgcaaagga	aacttggaac	tgctgggcag	aagcttggtg	gtgccgctgt	1620
cctttgtcat	atcaagcatg	accctgtgga	tccaggagga	tccttcacct	tgacctctgc	1680
taatgtgggc	aagtgccaaa	cagttctctg	tcgaaatgga	aagccgctgc	ctctgtccag	1740
atcttacatc	atgagctgtg	aagaagagct	gaagaggatt	aaacagcaca	aggccattat	1800
cactgaggat	ggcaagggtga	acggagtgac	tgagtccacg	cgcatcctgg	gctacacctt	1860
cctccatccc	agtgtggtgc	ctcgcccca	cgtgcagtcc	gtgctcctga	ctccccagga	1920
tgagttcttc	atcctaggca	gtaaggggtt	gtgggacagc	ctgtccgtcg	aggaggccgt	1980

ggaagccgtg	cgcaacgtgc	ccgatgccct	ggctgctgcc	aagaagctgt	gtaccctggc	2040
ccagagctac	ggctgccacg	acagcatcag	cgctgtggtg	gtgcagctca	gtgtcactga	2100
ggacagcttc	tgctgctgcg	agctcagcgc	cggtggggct	gtgccaccac	ccagtcctgg	2160
catctttcct	ccctcagtga	acatggtgat	caaggatcgg	ccctcagatg	ggctgggcgt	2220
gccgtcctcc	agcagcggca	tggcttccga	gattagcagt	gagctctcca	cttctgagat	2280
gagcagcgag	gtgggggtcaa	cagcctccga	tgagcccccg	cccggagccc	taagcgagaa	2340
cagccctgcc	taccccagtg	agcagcgctg	catgctccac	cccatctgtc	tgtccaactc	2400
cttcacgcgc	cagctatcca	gcgccacggt	ctctagcgcc	ttctccgaca	acggccttga	2460
cagtgcagat	gaggagccca	tcgaggcggt	cttcaccaac	ggcagccggg	tggagggtgga	2520
ggtggacatc	cactgcagcc	gggccaagga	gaaggagaaa	cagcagcacc	tgcttcaggt	2580
gccagcagag	gccagtgatg	agggcattgt	catcagcgcc	aacgaggatg	agccaggtct	2640
gcccaggaag	gcagacttct	ctgccgttgg	gaccattggg	cgccggaggg	ccaatggctc	2700
tgttgcgccc	caggaaagga	gccacaatgt	gatagagggtg	gctacagacg	cacctcttcg	2760
aaagcctgga	ggctattttg	ctgccccggc	tcagccggat	cctgatgatc	agtttatcat	2820
acccccggag	ctggaagagg	aggtcaaaga	aatcatgaag	catcaccagg	agcaacagca	2880
gcagcagcag	ccgccaccac	cccctcagct	ccagccgcag	ctgccgcggc	actaccagct	2940
ggaccagctg	ccagattatt	acgacacgcc	actatgaccc	agccgagctg	tttaacaaat	3000
aaactaacca	caaaagactg	agttgcaaga	gtctccagg	ctcacattaa	accagggggtt	3060
ttactccaca	tccttcccc	agacactggt	cccaacctgt	catcgagct	aatctgtagg	3120
ttctctttct	ttgggttatt	tttttaagta	atcaccactt	tcttctagt	atgctttacc	3180
aatatgattt	acatttggtt	acttctcccc	ctaacatata	agatatgtaa	agacaaagaa	3240
caaaagggtt	aatatattac	agagaaaacag	ttaatgataa	tgtaatatatt	tttaaaatgg	3300
ctttttgttg	tttggttgga	aggcagggca	ggctgccgtt	gctaaatgat	ttaataatat	3360
tgtaattctg	tatttctttg	gggggaaaag	gcttttggtt	tgttttgttt	tgttttgttt	3420
tgttttgtgc	ttgaaaataa	tagacatttg	tagaatatgg	agactaactc	ctaggagttg	3480
ctttactctg	tcaggtgact	taagtcaact	ggattcacta	attttctctg	agagaacagc	3540
tgattgagaa	tttcatttgt	aaatagctca	gtgttgata	gtgaggctta	cgatgttttg	3600
tagtcttggc	gtaaggacac	agcccaagta	actgacgttt	cccctcccc	tcccctctga	3660
ggagcctgcc	tgccacaca	ctcaccctca	cttactgaa	tgaggaggct	gagcagctgc	3720
agtgtttctg	tccggaggaa	atggatctta	ggccactgga	caagaacctg	cacccaaggg	3780
ccctgaaccc	attttctctc	cctgtcccag	cttcccact	ttgacagaca	cttttaactg	3840
tgttccttac	tgctgccaca	atcagcatgg	ttgtatagtg	ccccattagg	ccatttcat	3900
accagaggtt	atactcaagc	agaatgcaca	aatggacatg	tcataatttt	tgttacaata	3960
aatatgaaat	ttacaagtaa	aaaaaaaaa	aagg			3994

<210> 6329

<211> 4120

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (3909)...(89)

<223> similar to gi4529896 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 6329

tttttttttt	ttgtgggaaa	atattttatt	gctgccatcc	ccatggtgag	ccgctggggg	60
tgaggggtga	agctgggttg	tggatcacag	catcttctgg	aatagggcga	tggcctcatc	120
caccttcctg	agctctgctt	ctgtctgttg	gagcttggct	tcactgcct	cctggacttc	180

gaagcggcac	cttgacagga	ttacccgagg	caggcacggc	gtgtcccga	gacgttggg	240
cctgccgctt	gggcctcaac	tcgcttggt	ttgcaacttg	cccaagctcc	cgtgcagggt	300
ccaacagccc	cttgaagctg	caggtgggat	ggagcagcga	tcagaagcca	gagccacagc	360
gcaacccttg	gggggcgggg	agcccccagg	gctcagcaac	agccaccaca	acctgcgctt	420
ggccaggggc	ttgcacgtag	cccgacaccg	ccgatgccag	ggcgcccgtg	gcctcgatcc	480
gccacttcca	ggaacaagt	aggcccggat	tccgggtgaa	ggttgtagtc	ggccccgagg	540
aggccgcacg	gctcgcgtga	tgcttagcgc	cagctcaagg	gcggcttctg	cctcggggtc	600
cttcaggag	cactctgagg	gctccgggta	gggggtaaca	cagaggctag	ggggagcttg	660
cggcatcctc	cggggcagcc	tctggaacag	ctcctccgtc	acgaagggca	tgaagggtga	720
gagcagccgc	aggccaacgt	ccaggcaagt	gtacagggtc	tggcggggcac	actcagctgc	780
cacctgggtc	accccatcca	gtacaggttt	caggcactcc	aagtagacat	cacagagctc	840
atagagccag	aagctgtact	gggcagtggt	gacggccggg	aagtcgtagg	cctggaagcc	900
ttgattgctg	agcctcacag	cctctgtcag	gcggctgcgg	atccagcgtg	ccaccaggct	960
ctcatggcct	cgggctggg	aggtgggtga	gggcacaaaa	cccttcccaa	ggccacgaag	1020
ggcaaacttg	gtggcattcc	agagcttggt	gcagaagtgg	cggtaaccca	gtatccggtt	1080
cacatccagg	ttgatgtcac	gacctgggga	catgtaggca	cataatccaa	accggagagc	1140
atcggtgcca	cattcaggaa	tccccgctgg	gaagtcagct	ttctgccctt	ctttggcctt	1200
ctccacctcg	ctgggatcca	ggttgcgtgt	cagcagctgg	ttgtggaggc	cctgcaggga	1260
gattccatag	atgacgtcca	ggggatcgat	gacattgcct	agagacttgc	tcattcttccg	1320
gccgtgagca	tctcgcacga	tggcatggag	gtagacctct	ctaaagggca	gcctgcccg	1380
gagcttcagg	cccagcatga	ccatccgggc	caccagaag	aagaggatgt	catgaccggt	1440
ctccagcagt	gtcccggggt	agaacacact	caggtcttct	gactggttgg	gccagcccaa	1500
aatggataag	gggaagaggc	cagaggagaa	ccaggatatcc	aatacatcct	catcttgctg	1560
gagactgata	ttgtcagggg	acactccgaa	ctccttggt	gccttctccc	gggcctccgc	1620
ctcattgcgt	ccactcaacc	agtaccgccc	atcagggtcc	tccccagggg	gcaccgctgg	1680
gtcattgaca	gtgacaaagt	aggtctggat	gccgatgggc	cccaccacag	cttgctggg	1740
aacatgcacc	acttcccga	tgttgctcat	ccaggcatgc	catgtgcgtc	gatggcgctc	1800
aggcaggatg	cggaggtcac	cccaggtcac	agcggcgctg	gcagcctggg	ccatctcccc	1860
gcagcgaacg	taccactgcg	gccgcagcag	aggctctacc	acgtccttcg	accggttgca	1920
aagtggcacc	accatggggt	tgtcctcaat	gccacggaac	agtccccgct	ccttcagcgc	1980
caccagcacc	gctttccttg	cctcaaacct	gggcaggccc	aggaaaggcg	gaggcacatt	2040
gatgagggcc	ccccgggagt	ccatgatgct	gatggcctcc	agcccgtgcc	gctgccaac	2100
ttcatagtca	ttttggtcat	gtgcgggggt	gatcttcaca	gcacctgtgc	caaagtccat	2160
gtccacaaat	tcattcgaaga	caatgggaag	gctccgagac	aggaatgggt	ggatcacgtt	2220
cttccccttc	aggtgctgg	atctgggtatc	tttgggggtg	acagctacag	ccacatctcc	2280
cagcattgtc	tcgatccgag	ttgttgccac	caccacctcc	tcgtcgctat	ctgagccttg	2340
gaccttatag	gcaaaggaca	cgaggacccc	gaactccacc	ttctccttgt	agccaggcac	2400
ggagagcagg	gtgcgacctg	tcagctcctt	cttatccacc	tcaatgtcag	agatggcgga	2460
ggtgagggtg	caggaccagt	taacaaggcg	ggtactgcga	tagatgatgc	cttcctcgtg	2520
aagccggaca	aaggcctctg	tcacagctgc	tgagagttta	gggtccatgg	tgaacaggc	2580
tcgatcccag	tcacaaggagc	tgccaagctt	cttcaactgg	tggtaaatcc	ggtcaccttt	2640
ctcctccttc	cacttcagaa	cttcctgtag	aaaggcctcg	cggccagct	ggtgcgggt	2700
cagtccttcg	tcacgccata	gcttcttctc	caccaccacc	tgggtggcaa	tacctgcatg	2760
gtcacagcca	gggttcacaa	gggtggtctc	cccacgcagt	cggtgccatc	gagtcaggga	2820
gtcctggatg	gcgttggtga	gtgcatggcc	caggtgcagg	gagcctgtca	cattgggggg	2880
tgggatgcac	atcatgaaga	cacctcgggg	atttgcgtgt	gacacattag	gacgcccata	2940
ctctggcttg	aagaagccct	gctgctccca	ccaagggtac	caggcagcct	ccacataccg	3000
agggctgtag	gagtcgggca	tggggccact	gacatcttct	ttttccccgg	gtgggggttg	3060
gaggtcatag	gtaatgaccc	caggatcccg	tttctccctc	ttctctgggt	ttggtttctt	3120
ctccccctga	ggtggctgct	gctgttggt	cttctgcttc	tggttggaatt	tctctagctt	3180
ctcccgcttc	tttgctctt	tcttgagctg	agcagctgtc	tttgggaggg	caggagcctc	3240
ggggcctggc	tgatgagaga	gaggcctggc	tcctgagtat	agaaccactt	ctcctagcac	3300
ggctcggaat	tctggctgcc	ggacacacgt	gacaaaccag	cgagtcacat	tattccagat	3360
cggcggggca	gtgggtctca	ggacgtatcg	gaaaggcagc	agcaaggctg	tgacagccgc	3420
caggtcagcc	agagtggggg	ctcccccggc	caagtaggtc	tgacgcccga	gccactcctc	3480
caaggggctc	agggccctgc	ccagggcccc	cagcacagcc	tgggggtcct	gggcccagct	3540
tcggagctcc	agggccggca	gcgttgctcc	acaggcagct	ggtattaact	ccgtgtcggc	3600

gtaactgacc	cactgttga	caaggacagc	cgcccggctg	ccccctgggc	ccccagggcc	3660
tgctggccac	agcagctggg	ccacagccgt	ggccccccac	accagagacc	caccggggccc	3720
ctgctccagg	gccggcaggc	ggggtggggg	aaagctagtc	ctgctagtcg	ggggtggctg	3780
gagacagatg	cgggggtggg	ctcctcccca	tccgggaccc	tccccagcct	ccccatagcg	3840
agcggctatg	agggctcggg	ggctggggaa	ggcatctggg	tgaggggaga	cgtagagggt	3900
ggacatagtt	atgagaaggt	ccgaacgaag	tggaaaaact	ggagggagat	ggtcagactg	3960
ggccgggaat	ccacctcaca	gccaggcgcc	ggccgcggct	ggaccggccg	agcggccccg	4020
gcggaggagt	cgagcgggca	gagacggtgg	gcggctctcc	aggtgaccct	agttccctaa	4080
gatcgccgcc	ccggcagccg	gcgcccacgt	gttccccctt			4120

<210> 6330

<211> 1880

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1689)...(1380)

<223> similar to gi347457 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 6330

tttttttttt	ttaacagtta	aactttttata	tttacaatat	tctcttcatc	ttttgccagg	60
tttaaaaatg	tgtacagagc	cgcaaagggt	tggggtaggg	ataagggatt	gtcgggattg	120
ttttggggag	aggagctggg	cattggagtc	cgtggctgaa	tcatggggtc	ccccagcccc	180
cctcccatgc	cccaattctg	agggcatctg	tctacagggt	tcagggccca	ggctcttagc	240
atttgagggg	catggctgtt	tggagaggag	ctagaccagg	caggggaaag	gatcagaaaa	300
taactaat	tccatggatg	gaggtaggaa	gagaagggac	agtcaagagg	caaagtcttg	360
ggactcaaga	ccagggattc	tggatttggg	tgtcagtggg	agacagcacc	ccagccccta	420
ttcaagtttg	gcactaacac	cccacaaaat	gccagcagat	gaggactctc	ccctcgtcca	480
ctgtgtccct	taagcccttc	cagacatcat	tcttttccca	aatgcccaag	cccaaggccc	540
tccggggagt	cacctcacac	atttcaaatt	attcctgctg	gtgtctgccc	aagccctgtc	600
ccactgccc	cctccatctg	ttccccagca	ccgtgacct	cattctccca	acctgtccgg	660
tgagaccttt	ctccccactg	cctccctcca	ccattcaagg	ctcctttctt	tcagacaagg	720
agggggcggtg	ggtcagagga	gggtgggtcag	ctgaggagaa	ggctgggtctg	acactgagat	780
ggggacagct	tcaaagaggg	ggacggagat	gaaggggaac	ggagaactga	ggcaggggtg	840
gggagacatg	gtgaggagaa	ggggcacagg	cgggagcccc	ctcacctgcc	acatccctcg	900
ccctgtatcc	tgtttgccct	tagtttcccc	tgccctgcct	gggaccggga	aattcttggc	960
acattttggg	agtctctccg	ctcaaatacca	cctaccaggt	ttggcacgga	tgagcaatgc	1020
tctgaggcct	ggggaaaagg	ctgtcctcgg	accacaatga	gggcttttgt	caaacatgcg	1080
tggcctctgc	ggggggcacg	ttgccacacc	ccctcccccc	aactcgggag	caagggcccg	1140
gcctccctcg	gggtttgttc	accctcctca	gctcctgcca	actagaagtc	tgtgtccacc	1200
tgccatgtga	ggaggaactg	ggtagctggc	ctgagggcctg	ggggaggcag	ggaagtgtctg	1260
ggaagagagg	ggcgtctgct	ctggggaaac	acacatccac	atgcaagaac	ctgtttccac	1320
tcagagaaat	gcgtcctggc	cacgggaaaa	taagcttcca	ggcagcatca	ggatgcgtgg	1380
actcctccct	ccccagcag	gaaatctgtg	tctgtcctct	ctggaagggtg	agggcctccc	1440
cggcagaacg	tgtttcatct	gacttgtgcc	aagggggggc	tcgggggggaa	catgtttcgc	1500
cggggtaggg	gcaaggagg	caggggagc	ggggctgtga	tttctcgtct	gcttccaggg	1560
ctccatcctc	tgtggtcttg	gtggccaagg	gtccctgtat	gtgaacacac	cacttccagg	1620
gtctccaggg	ggagggaaa	gggaggagg	ggaaaaagg	atgggggaac	aggatttttg	1680



ggtacaaatc	cccacagaaa	ttctttgagg	gggccaacat	gtgtccaggg	tggcaaaaaa	1740
aaacctcacc	ctgcacatgg	gaaaacacac	cccgttgtga	gaaagcacac	ctccacgcgg	1800
gaaaatacca	cattccacac	accgaagact	ggtgtcccaa	tgggggggag	aaaacgcccc	1860
ccagttgttc	aaaggccccc					1880

<210> 6331  
 <211> 2829  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(2830)  
 <223> n = a,t,c or g

<220>  
 <221> misc\_feature  
 <222> (2633)...(514)  
 <223> similar to gi2880079 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 6331						
ttttgagttt	aacccccaaa	tgtattttgtc	cttagaaaag	aggtccacat	actcactgtg	60
tctactctac	agaatttggtc	catttttatta	caccacgtgt	caattcaagt	ttatctggtc	120
actgcaaaaa	ctcgtggcta	atatgtgtaa	tacaacacag	gaggaggtat	tgctcagttc	180
aactactctt	atttacttaa	aaaaaataca	gaaatgtttt	tgtccacttg	aactgtagtc	240
cagacataaa	agttacatga	aagtttttaga	aaatggagtt	attttatttg	gttgccacag	300
tacccttga	agccagttac	ttaaaatgct	gaagttgtac	atatttccat	tggtcaggag	360
cagcattggt	gaagcttaaa	cttctctctc	gaaagtaatc	tttttttact	tttttgtttg	420
tttgtttggt	ttgttttggt	tttagcacia	ctgcagtcct	tcgctttttt	tttttttggt	480
catttttgga	gtaggtttcc	ttggtgggtt	ttaggacata	tttgttggtg	aacctataac	540
agttgctttt	actttcagtg	atgtactttt	ttcttttctt	gcttcccaga	gatttatcag	600
aggaggataa	agctcaccta	atgcaaaggt	tggtttctgt	aagtaattcc	tcacatagct	660
gtgtccacca	tcacagttca	tttctggaga	gaggcagctg	ataagacata	tcacaccaat	720
aatccccaga	aggcctccaa	gacaggccat	aagtgttgtg	gtattattct	tttcatactc	780
tttttgatca	gggtgcaaac	ctttggtggt	gacatttaca	catttttttc	tgtttttctg	840
atagatgggt	ggaatatcaa	tacaaatttt	atactcagtt	gatggattca	gatgagtaag	900
attatatacc	ttgacatcag	atggtattcg	agcactttgc	gcagcatgag	aattttcagt	960
cttgacaaa	gctgtccatt	taacactaga	tttgagaatt	ttagaacttg	ctttccagga	1020
cacaaaaact	gaattggcct	gaatatctct	tattttaata	ttcaaagagc	cattgttatc	1080
ttgtggaaaa	gatccatcca	ctttgatcat	aacagacttc	aagtcagcgc	caactaggtt	1140
agttgctata	caagtatata	aaccccttc	tttgggagtt	acgccattta	tatctagtgt	1200
tccctcagaa	tggacataga	acttgtctgt	cagggggtatt	aggcaagagt	ttttgaccag	1260
aaggtgttat	ccagtagatt	tcaggctgtg	gttcatgcag	tagctctaca	gtgaaaggaa	1320
acatagctcc	cagcttctac	atttagatta	gaaggaaagc	tctcaggagc	tataagaggg	1380
agacaaattt	ccatcatgtc	cctgaaatgc	acttgccgaa	cattctgacc	ttggaattca	1440
ggtgggtcca	cgcaaaacag	tgaatctggc	tccatgaatc	gaatgttggt	tttgttcatg	1500
ttcatccaac	ggatgacaca	gtcacacctg	atgggggttac	tgtgtatgct	gatttccttg	1560
aggtttggca	gagactcaat	ggtaccatgg	tacagggcac	tgagagcatt	gctgttcagc	1620
atgagtgatt	ccagcttggg	gagtcctgaa	aatgcattgg	ggtgaatgta	agacaatcta	1680



gcgatgagga	gataccagaa	aactgcctgg	agcagttgga	gatgggattt	ccacggggag	1080
cccagccagc	cccactgctg	tgctccgttc	tgaaggcctc	gggttctctg	cagcagctgt	1140
ccttgatag	tgccaccttt	gcctctcccc	aggatttttg	gcttgttttg	caaacactca	1200
aagagtacaa	cctagccctg	aaaagactga	gcttccatga	catgaatctc	gctgactgtc	1260
agagcgaggt	gctctttttg	ctacagaatc	tgactctgca	agagattacc	ttctccttct	1320
gccgtctggt	tgagaagcgc	ccagcccaat	ttctgcctga	gatggttgct	gctatgaagg	1380
gcaactccac	actgaagggc	ctccggctgc	cagggaaaccg	cctggggaat	gctggcctgc	1440
tggccttggc	agatgttttc	tcaaggaggt	catcctcctc	tctctgtcag	ctggacatca	1500
gttccaactg	catcaagcca	gatgggcttc	tggagttcgc	caagcggctg	gagcgctggg	1560
gccgtggagc	ctttggtcac	ctgcgcctct	tccaaaactg	gctggaccag	gatgcagtca	1620
cagccaggga	agccatccgg	cggctccggg	ctacctgcca	tgtggttagc	gactcatggg	1680
actcatccca	ggccttcgca	gattatgtta	gcaccatgtg	atggggcccg	tacctcacag	1740
tctcatgctc	ggtaccatca	gcttgcaggg	gctgaagcat	gggctgcca	gaacccaac	1800
caccagttct	atctttctct	ttctgtcacc	tttttctct	tttttctct	ttccttgcga	1860
ctgaggtcct	ggaggccttg	atgaggccca	gcaaacaggc	attctcacag	ctgggtttat	1920
agtctttggg	ccccttactc	agtatcctgg	ggaaccctgg	gcccaggagg	gtttacagtg	1980
gtcatcataa	ttggttgaaa	gagatccctt	ccccctggcc	ctgggggtcc	tgcttccct	2040
cctcaagcag	ggcaccaggg	gctttaggag	aagtataggg	gggcttcttt	ccctgctggg	2100
gctttaccac	atggctcttc	agggcctcaa	aacccttttc	atacctttat	tctttttttt	2160
aacaaaaaaa	gtttttctta	taaaataaat	tttgggcaaa	catcatgcac	ccctttttga	2220
tgattttttc	ccaaaaaaca	aaattcaaca	gggcctctgt	gagcaaggag	ccccttttcc	2280
ctatctcctt	cctctaagag	ctacaccag	accagctggg	tatcagcgga	ggccccgctg	2340
ctcctcatga	gaacgctggg	ggaagacgaa	ggtgatggca	gtggaggcag	catcccaggc	2400
agcctggagt	acctcatccc	ggagccccc	cttatcagtg	caggggttcc	accctgccag	2460
gtctgaagtg	cagtcagaac	catcaggggg	tggccggatc	tgacggctgt	tgacacaacg	2520
tcggcagtg	aacctgtcat	gtgtgtcact	gaggctagct	tcatccagga	taaacagctc	2580
cttcaactcg	cccagagaga	agtggcgctc	tacatcctgc	tctcatcca	ccacacagct	2640
gctcagtgcc	ttcttgtggc	tctgacgctg	gaagatcttc	tctcaatgg	tccctgcaga	2700
cagcaggcgg	tagatatagc	aagtcttctt	ttgaccatct	cgccagacc	gggccatggc	2760
ttgttcatca	ttggctgggt	tccagtcagg	gtcaaacatg	accagccggt	tagccccaat	2820
gagattgagg	ccacagcccc	cagctttgct	gctcagcatg	aagacaaagt	cagggtcga	2880
tggactattg	aagcgttcta	caaccttggc	tcgcttctta	atggacatcg	tgccatccag	2940
gcggacgtat	aagtaccttc	gggcacggca	cagcttctca	aagagatcca	aagtctgggt	3000
gtaattcgac	accagcacta	ctttgtcact	gctacggctt	cgggtcaccg	ccagaatata	3060
atccaggacc	agcatcttac	ctgacagctg	gggctccagg	gccttagagc	tgtaaccagg	3120
agggaagagg	tccaaggcac	ccacaaaagg	atcctcctct	tccacacact	tatcatagat	3180
tagagctgga	tgattacaaa	gcttctttag	cgaggtgatg	gaagaaaagg	aagacacact	3240
catcttgccc	tcaagcaatt	cttctgccgg	tttggcttgt	ctcagaaacc	tcttgtataa	3300
ctcagtctga	aggggtgtca	gcctacaaca	aacgacctgc	tcaatcttca	caggcagata	3360
tttagaaaagg	atatcagaag	tcctccgtat	caggcatcta	ttcacaatgc	tggtgagctc	3420
ccgcagccgc	tcctctccta	gctgcctgtc	tgctcacta	gcagcagcgt	ctcgaccctt	3480
caaaattggc	aattcaaaat	gcttcttgaa	ttcatgggca	gtccctagga	tgccggaatt	3540
aacaaaatgt	accaagctga	aataactcaag	cagatcattc	tggatgggag	ttccggagat	3600
gagcaccgcc	cggctgggtg	tcaagctgtc	cagggcttgg	taagtctgat	tctcagagtt	3660
cttgagcctg	tgtccctcgt	cacatatgac	cagaccaaca	cttcctttct	ggaggactcc	3720
aacatgaagg	cgggaaggtct	cataggaaat	gatgaggatg	ggagaagaca	ccctggctcc	3780
acgctgggtc	atgaatcctt	ccagcttttg	gtctatttca	tccttagatc	ctccatcgat	3840
ggccagagg	tggatcctcc	ctccgagcca	tttcccaacc	tattgtacc	agttcttcac	3900
caggctggaa	ggcgacacca	ccactgcctt	gtcaatttct	ggcttgact	ctggactctg	3960
gcgtaaaagt	gtccacatca	atgtgatgca	ctgcagcgtc	tttcctaggc	ccatctcatc	4020
agccatgatg	cagccatggc	tgccagggat	gcgccgactg	gtgacacact	cccacaggaa	4080
tttactccc	tctctctgat	gaggccgcaa	aaccttactg	agaatagggt	caacaaccac	4140
atggacagg	agtttctcct	tgtcaagctt	cagctgggtc	tgagcgctca	gcgggggagg	4200
ctcatacaga	accaaggcat	ctttttccag	ggggtcatgg	agggcccggc	ggaccccagc	4260
ccttttcagg	cccaatgctc	gagagcccag	aggaccttga	taatttgga	tggggacttt	4320
gaaaggcttt	gacaaaatgc	ttcgaataaa	tgcttcatgc	tgactgctgt	ccagacaagg	4380
tggttgattg	gttagctgac	tcaaagggtt	ccgaaaagga	gacaggaaac	actcctggat	4440

ctgggtctca	ctgctggatt	tccgtttcct	aggagtcaact	aggccagggt	gccagtcttc	4500
atcatcacag	gacctgcctt	caggttttct	cttggccagc	tggctgggag	ccaagctcct	4560
cctcatcctg	ggcctaggag	tttaaaacgt	caagtaccca	tgagccaaag	gtcaaaaagca	4620
ggcagcggct	aagagtgtag	gaccagggtc	taatctgccc	gaattc		4666

<210> 6333

<211> 5254

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (4976)...(4328)

<223> similar to gi529707 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 6333

tttttttttt	ttcacaatgt	cagatcattt	atttcagagc	agttacaccc	agcagaaggg	60
gaacaggctt	aaacgcgggc	atataagttt	tcccgcacgc	aagccctgca	tggcgttggg	120
ctgggaagcc	ggggcggtgc	aattctgcaa	aacgccacgc	tctactaggc	ccccttactc	180
ctaattaatt	gcctgctcac	cagactgtga	gaaaataatt	gccactataa	attttccctc	240
cttctgcata	aaatattcgg	gggaacccag	ccctaaaaaa	acagaccttc	atgaaagaaa	300
gggcagccaa	gcgtggatgc	tgcgcccccc	acaacccccca	ctgcagagga	cacagagagg	360
ccaggagccc	cctttctggg	ttccccctgg	gttccaaatg	aaacagaaag	gctcaaagag	420
ctcccaggaa	tggtcacagc	tgaaaaaaaa	gtcgactgag	tggctacatg	cggcagccgc	480
ttgtgttcac	ctgccgtcca	cccaggacag	tccccggcag	cagcttgtgt	tcacctgccc	540
tccacccagg	acagtccccg	gcagcagctt	gtgttcacct	gccctccacc	caggacagtc	600
cccgggctgg	ctccaggctg	cagggggtca	gcagagggag	cctcctgccc	catatccttg	660
gcaaactcac	ttctccttct	gggaccacac	aagagacatg	ggagaatgtt	cctaattagg	720
caagagcaca	gaacccctaa	tccagtcctc	tgcttggcat	gagtaccag	gcaggcaagg	780
aagatggaga	caggtggatt	tcagctcctg	gaaggagccc	cggctcagag	tggctgctga	840
gtaccagacc	ttgcctcct	ctgacgtggg	aacgggtgtg	gctgtgctgc	cacctgggtg	900
cctcttccct	cactgcaggg	tgaaatgatg	tggatgccag	cccttaggtg	tgggctccag	960
ctgggggtcac	agagcatccc	agccctcagc	actgcccagc	atagagggaa	cccctaccac	1020
tggccctatg	tggcctgggg	gtgagagacc	cccccccaaa	aagcgaggga	cttcaggcca	1080
ctgacaccgt	ggaaggacca	caacagaccc	caccccagac	cagccgcagg	atgacccaag	1140
gccgtgggg	ccagacacca	caccaggaag	cctcccaggc	agcccagggt	tagcagaggg	1200
tgtgcagctg	cagcggcctg	ggcagagaag	aaagagcagg	aaggacagag	gaaggcgctt	1260
gtggtgaaga	ccctgcctcc	ctcacgcccc	cacgcacctg	tgctgactgc	tgctcaaggg	1320
gtcagcctgg	aggtcttccc	ggtgcttgga	cgaggctgag	aagggaggac	gtgaaggaa	1380
agagtactctg	gaaaagcccc	cgcggtctct	gcagctcctg	cactcaggct	ggggctgggc	1440
tggcgcgggg	ggcagggtgct	gcttctctgc	tggactgacc	tgctacccca	gcctgaaggg	1500
cggcttgtcc	agagccacag	gcctctcgct	gggcagaggg	agggccacag	cgcagactgc	1560
ctcacagcca	cttccctgca	tgcccacagc	ccggaagaga	cgccgcagag	ccaggggctg	1620
ctgaaaacgc	tccggagatg	acctcacact	cagcagcaca	gtaaattgcc	aacgccagga	1680
aacacggagc	agctggggct	ggcccacgtg	gaggcacgaa	gccagcgccg	gctggcccag	1740
aatgcccact	cctcagggaa	aagggccttc	cacactggga	ggacggttct	ccagggcatc	1800
ctctcccgcc	atcccgcagg	cagccccacc	ccaggagctg	ctgtagctcg	tcctcatgct	1860
cagaaatgtc	tcggcgctg	ctccaaagcc	tacctgccac	aatctaagac	cctttcta	1920
agtttcatct	gcaggaaaga	aaatcatcat	tctcggcac	agcatcttgc	agcctattag	1980

gaatatatcct	ttatggaatg	ttctgtttctc	aactttctccc	ctccttttcat	tttcacctgg	2040
gaaccaggta	ccgtggggag	ggacaaggca	gaaacagaaa	gcccgcact	cgctctcgag	2100
tgaccaacgc	tgcgatccca	ctgcttggtt	tctgttttc	atcgccccc	accagaaagc	2160
cacagcactc	agcccggggt	ctcccacccc	agccccggga	ccgggaacctc	gctgccactg	2220
tggggcactt	aggcagggtc	cagcgcaggc	caggggcaga	cagccgggaa	gaggccttca	2280
gcccagaggcc	agggagacca	cccggcctta	gcatccgctc	atgcaggggc	tgaataaagc	2340
agaactgccc	tgcccactc	ggcctgaggt	acccggaacc	cttccttggg	gacaggctcc	2400
accagaaatt	ccatgcgacg	atcctggccg	ggcccggcgg	cttcaccag	caggtccact	2460
atccggtact	gggtggcaaa	agccaacccc	aggaacatgg	gcatctctgg	cctcggcagc	2520
tccctgcccg	gagagtcac	actcatccct	ccccagcagt	ggattcggaa	gcaacggact	2580
tgtgagagga	ggaaggacca	gtgcagggtg	cagctgagct	ggagcagagc	agggggcccc	2640
tcccgtcag	aggcggatgg	ctgccagcgg	atgtgagaga	tggtgacggc	ctgcacctgg	2700
ggcagagggg	ccagcaggct	ggcagcgtcc	accacctgga	tctctccaag	ccgacagggtg	2760
aagctctcct	cctcccgact	acccggcggc	cgtgagaagc	aaacgaggag	gtctagcagc	2820
aggcaccac	gcaggctcac	ctcgtagcac	tgctggaccc	agccccact	cagctgccgg	2880
ccgcagcggc	ccaccctact	ggccagcctt	gtggggggca	ccgggagggg	tcggaggctg	2940
tgtcttgagc	ttgtttctgc	gttcaacact	gagatgccac	cgatgtggca	gctgccggca	3000
tcccctgtgg	tcagctccaa	agcaactgtg	acgtccgtgg	gccccctaa	cttatacc	3060
atggacaggt	aaatcttggg	tggcactggg	gcctgcgggg	aaaataacct	cacagccaca	3120
tttccaaact	ccggtgggat	cacaccccg	acgagcaggg	agctgcctcc	gtgccaggca	3180
tcttcaggc	agcagtgcgt	cctcaccag	ccccggccat	ccccctccag	cctgtgttct	3240
caaacaagg	gctggatctc	ctgggcgtc	aggtggtacc	agggccctac	cgctcttcc	3300
tggccatagc	agaccctccg	tgcacccatg	cccaggcaga	aggacgtgac	gaaaggcaag	3360
gagcagatgc	tatgtgtggg	cagataacgc	tccagtccgc	cccagaactt	gtcctggttc	3420
tggaagaaat	ccttcttctc	cagacactca	tacaccagc	cgggggcaaa	caaagccacg	3480
gagaagccat	gcttccggat	cagctccaac	gactggaggc	tgctgggcat	cacccccgtc	3540
gttccacaag	cccgccagaa	gagggcgcg	gagaggcggt	cagcgctgct	gcaagggcag	3600
gggggcagg	gctgggcccc	aactggctgt	ggctgcgcgg	tcccattgtc	ctctggcaca	3660
cctctcattc	gattatcaga	atcacgggca	gtaaagaggc	tctttagtta	ttggattaat	3720
ttactcattt	aaagctaaat	taagggctga	gaacatccct	ggggctctgg	gaacgggcag	3780
gactgataga	ccagaggcag	gcagagccct	gcgcattcca	cgccaggggc	accggcctgg	3840
ccccgtcct	tctctgtgc	tgggtgtgac	tgcttgcca	gaaaatgctc	cctcgtcatg	3900
acacctaccg	atccccaaac	cctgggcacc	tcccccgtec	tcgccccgta	gccgcagtga	3960
gaggcgctgc	aggcccctgt	gcgtccccgc	aggcttcctt	cacgggggaa	atcaaggaa	4020
gcagctggga	caggaggccc	agcccgccg	aggaccggac	agcgggggaa	cgacgcgcct	4080
ctgtctggta	acacccacac	aaaaatacat	tatctgattg	tagaaatagc	cggaagaagg	4140
gtttcagtgg	ggacatagct	tggccggggc	aggacacctg	tttctcagt	ccacgggatc	4200
ccactctgg	gaagaacagc	tgctgtcatt	cctttgaggt	gcagacggga	atggaaggtc	4260
catgagga	tgaggtccca	ggggaggcac	tgggcgctg	gcccttgga	gaaagccacc	4320
accaccttg	tctgtgtcga	atcggcctcc	gaccacgttc	cctcgagcaa	acacatccac	4380
gccacgtac	acatcagccc	ggcgctcccc	agcctgcccc	agcatccgct	ccaagtgtct	4440
ctcccgccag	ttatagttag	tgaagaagcc	gtcgcaggaa	tcaaagaaga	ccctgttgtg	4500
ctggttgagt	tcgtcttgcc	atttgagctg	cccactttgc	accacgtgt	cataccagag	4560
caccaggccc	cctgggacct	gccggtgcag	ctgtgtgggt	aggtaccgca	ggaaaggagg	4620
catgttcccc	acagcggcc	gactcagcga	gttctcgatg	ttgatcagcc	agccatcaaa	4680
acgaaaaaac	ctgagtgatc	tggaccagcc	ggtcagccac	tgcttggtac	gagcgctcat	4740
ccccggccag	gaaggcttca	cagagccttc	ccccttcatt	ccactccgtg	atgaaagtcc	4800
ccagcacgca	gaccccatgc	ctgtgggcag	tgttgggtcca	gccactggg	ggaatggtga	4860
cgggtgtggtg	gctgaagtac	acaaagacgt	cgatgcactg	ccagtggtag	aaagcatagg	4920
gagtctgcac	caccgagccc	tgaatgaacc	tgtcatccag	gtacccgccc	atcatgtcat	4980
gcacacaaca	agtccggggc	ctctggctgc	tcagaggggg	ctggcgacac	gccaggggct	5040
ccagggccac	attaaagcca	tcttccaagc	ggggcttcca	cgccaagagc	tcttcagcgc	5100
aagacaagta	aaagctgatt	ggtttgggtg	tgtccttgtc	ataatatcta	actggcaggg	5160
ggtccgggga	aaaactgacc	acctctcgaa	agactgtctc	ttcttcttca	tctttgatgc	5220
tccttcccgg	ccgcccggga	gctctcctgc	ctcc			5254

<210> 6334  
 <211> 4775  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <221> misc\_feature  
 <222> (231)...(3433)  
 <223> similar to gi3882177 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 6334

aaaggcaaat	ctaattggtac	ctggctgttc	ttaagaatgc	atagagaggc	ttagcaggct	60
gggattgatt	gaagcttatt	tcttgcttga	aactgacagt	gtttatggcc	ccaacttaaa	120
actgcctatt	acttcaggcc	aaagggttcc	atggcgaaat	tgaggatttg	cagcagtggc	180
tgactgacac	ggagcgtcat	ctggtggcat	ctaaaccgct	gggaggttta	ccggaaacag	240
ccaaggagca	gcttaatgtc	catatggaag	tctgtgctgc	ctttgaagct	aaagaagaaa	300
catataagag	tctgatgcag	aaaggccagc	agatgcttgc	aagatgcccc	aaatctgcag	360
agacaaatat	tgaccaagac	ataaataact	tgaaagaaaa	atgggaatcg	gtggaaacca	420
aactcaatga	aagggaaaaac	ttaaactgga	agaggctctc	aacttggcca	ttggagttcc	480
acaatttctt	tccaagactt	catcaactgg	cttactcagg	ctgaacagac	cctaaatgta	540
gcttctcggc	caagtctcat	cttggaacaca	gtcttatttc	aaattgacga	acacaagggt	600
tttgccaatg	aagtaaattc	tcatcgtgag	cagataatag	agctggacaa	aactggaacc	660
cacctaaaat	attttagtca	gaaacaagat	gttggttctaa	tcaagaatct	acttatcagt	720
gtacaaagtc	gatgggaaaa	agtgggtcaa	cggttggtag	agagaggaag	atctttggat	780
gatgcaagga	agagagccaa	gcagttccat	gaagcttggg	gtaaacttat	ggagtggcta	840
gaagagtcag	aaaagtcttt	ggattctgaa	ctggaaatcg	caaatgatcc	agacaaaata	900
aaaacacaac	ttgcacaaca	taaggagttt	cagaaatcac	tcggagccaa	gcattctgtc	960
tacgacacca	ccaacaggac	tggacgttct	ctgaaggaga	aaacctccct	ggctgatgac	1020
aacctgaaac	tggatgacat	gctgagtga	ctcagagaca	aatgggatac	catatgtgga	1080
aaatctgtgg	aaagacaaaa	caaattggag	gaagcccctg	ttattttctg	gacaattcac	1140
agatgcccta	caggctctca	ttgattgggt	atatagagtt	gaaccccagc	tggcagaaga	1200
ccagcctgtt	catggagaca	ttgatttggt	gatgaatctg	atcgataatc	acaaggcctt	1260
ccaaaaagag	ttggggaaga	ggaccagcag	tgtgcaggcc	ctgaagcgct	cagcccagaga	1320
actcatagaa	ggcagtcggg	atgactcctc	ctgggtcaag	gtccagatgc	aggaattaag	1380
cacacgctgg	gagaccgtgt	gtgcactttc	tatatcaaag	caaacacggt	tagaagcagc	1440
cctgcgtcag	gcagaggaat	tccactcggg	ggtacatgcc	ctcttggagt	ggctggctga	1500
ggcggagcaa	accctgcgtt	tccatggtgt	cctcccagat	gatgaggatg	ctctccggac	1560
tctcattgat	cagcataaag	aattcatgaa	gaaactggaa	gaaaagagag	ctgaactaaa	1620
taaagccacc	actatgggag	acaccgtttt	ggctatctgc	caccccgaact	ccatcactac	1680
cattaagcac	tggataacaa	tcatccgggc	gaggtttgag	gaggtgctgg	cctgggcaaa	1740
gcaacatcag	cagagattag	caagtgcctc	ggctgggctt	attgccaac	aggaattggt	1800
ggaagctttg	ctggcttggt	tgcaatgggc	ctgaactaca	cttactgata	aggataaaga	1860
agtcattccc	caggagatcg	aagagggtgaa	agcactcatt	gcagaacacc	agaccttc	1920
ggaggaaatg	accagaaaac	agcctgatgt	tgataaagta	acgaagacct	ataagaggag	1980
agctgctgat	ccttcctcat	tacaatccca	tattccagtc	ttggataagg	gacgagcagg	2040
aagaaaacgc	tttcagcat	caagcttgta	tccctctggg	tcacagacac	aaattgaaac	2100
caaaaatcct	agggtaaact	tactggtgag	caaattggcag	caagtctggc	tcttggcggt	2160
ggaaagaagg	aggaaactca	atgatgcctt	ggacagacta	gaggagctga	gggaatttgc	2220
taactttgat	tttgatatct	ggcgcaaaaa	atacatgcga	tggatgaatc	acaagaaatc	2280
tcgagtgatg	gacttcttca	ggagaattga	taaagaccag	gatgggaaaa	taacgcggca	2340

```

ggaatatttatt gatggaattc tttcctcaaaa gtttccaacc agtcgcttgg agatgagcgc 2400
agttgcagac atcttttgaca gagatggcga tggatatatt gactactatg aatttgtagc 2460
agcccttcac ccaaataaag atgcatataa acctatcaca gatgccgaca aaatcgaaga 2520
tgaggtgaca aggcaggtag ctaagtgtaa atgtgcaaag cgattttcaag ttgagcagat 2580
tgggtgataat aaatacaggt tcttcctggg aaatcagttt ggagactccc agcaactgcg 2640
actggtccgg atcctgcgga gtactgtgat ggttcgtgtt ggaggtggat ggatggcact 2700
tgatgagttc ttagtgaaaa atgatccttg cagggccaaa ggaaggacaa acatggaact 2760
gcgtgagaag ttcatttttag cagatggtgc cagccagggt atggctgctt tccgaccccg 2820
aggccgaaga tcccggccat catcacgagg cgcttcaccc aacagatcca cttctgtgtc 2880
cagtcaggct gcgcaggcgg cctccccaca ggtccctgcc accaccacac ccaagattct 2940
ccatccttta acacgcaatt atggtaaacc atggttgaca aacagcaaaa tgtcaactcc 3000
ttgtaaagca gcagagtgtc cagactttcc cgtgccatct gcagagggaa cgccaatata 3060
aggaagcaag cttcgacttc caggatattt atcagggaaa ggcttccact ctggggagga 3120
cagtggcttg ataacaactg cagctgccag agtccgaaca cagtttgctg attccaagaa 3180
gactcccagc cgaccaggaa gtcgagctgg aagcaaaagt ggcagcaggg ccagcagccg 3240
ccgaggcagt gatgcatcag actttgacat ttcagaaatc cagtccgtgt gctcagatgt 3300
ggaaactgtc cccagacac acagacctac accccgagca ggttctcggc catccacagc 3360
gaagccttca aaaatcccc aagcccgagag gaaatcacct gccagcaaat tggacaagtc 3420
ctcaaagaga tagtgcaatt ggttctacca aggccttcc ttgagcattt attatttaag 3480
tttgaacgat gtaaaatatg gtgtagaat tcttgtaaa tattgcaaga ggcgagttta 3540
aaattctgca gatggcctta tttgtgtatt tgtcttttta ttttatctgt ataatttttt 3600
ttgtcagata ttctgggggt aaagtcacat catatgtgag gaggaaaagt ttaacatgaa 3660
ctaacatttc tgcactgtaa cgtgccgggc acacactaaa ctgagttact gtacctacag 3720
gtaagtctac atcctctctg acagccacag cactacatca atccctgacg ttagggatac 3780
ctcatgacat tttcctgttt ttatggaaac tctgagaagc tgaatgatac atgcagggga 3840
tattttttga gatgatttaa atgtaaacca aaagatggaa gacaaaaaga caaacacacc 3900
cacacgcagt ctttgacgta tctgacagag aactcacagg aagttacttc aagcacttgc 3960
cagtactatg atattcaagt accttgacgc atttctctgc cattgctttc aatgaggcca 4020
gaggcatcct ggatattaga cctattatac tgtaagaata taagtataaa gtgcgttcat 4080
atacatgtga ggttttcttt tgcttgagtg gacagtagca cctgtatcat tgaactcatt 4140
ttgtatcaga gcaattttgc ttgcagaaag ctatgaaata aaacacgtcc cttaactgca 4200
ttgctatgga attaatTTTT tttcccagg gaaaactagt gtattttttt atgagcaata 4260
tcaatttggg gtgacaaaaa gatacttaaa aatgggttta ttttgatttc tcatctgaaa 4320
taatcatgtt ctggatatta gacctattat actgtaagaa tataagtata aagtgcgttc 4380
atatacatgt gaggttttct tttgcttgag tggacagtag cacctgtatc attgaactca 4440
ttttgtatca gagcaatttt gcttgacgaa agctatgaaa taaaacacgt cccttaactg 4500
caaaaaaaaaa aaaagggggg ggccttttaa aagaaccctt gggggggcca aatttaaccc 4560
gggaggggaaa attaaaattt tttcccttat ggggggcttt ataataaccg cgtgggggaat 4620
tttgaaaaga aaccttcttt tggggggggg gaaaaaaggg aacacccccc ccccaaaaat 4680
taaggcctca agggaaaaaa aaaattttta aggggtaag ggggaaaaca aaccacata 4740
ccctggctgt taaaaatcag gcaagaccga accgc 4775

```

<210> 6335

<211> 1932

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1685)...(1080)

<223> similar to gi5834273 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400>	6335					
tttttttttt	ttccagaaaa	ggatattttt	tttattcaag	taactgcaaa	taggaaacca	60
gagagggagc	cccaggtcgg	gacaaatcat	ggctacccct	ccccaacaga	acagggggag	120
gaggtggccc	ctacaccctt	tatggtcgat	tcgggcccc	ttgctcactc	tgctgcagca	180
tcctaggggc	agggcccccac	cttccctggg	actggggtag	tcggtcacc	agcctgccat	240
gccccagccc	ctcttcccca	caaagagtat	cttgggggag	gggatcgtgg	gcagaacagg	300
aggcaatgag	gatgaacatt	tggcgctgg	agcagcagca	atgacggatg	tcgaagaatg	360
gaacattgaa	caaaaaacaa	cacaactgtc	cagaggtagt	ttgtgaacag	aggaaaaatg	420
gaaccagaac	cttggggggc	agggaggagc	aggagggggg	ttgggagcgg	gcaggggtgag	480
ctccttgtta	ttggtgcccc	atctgaggag	ggggaaatgg	ctgagtggcg	gaagcaaagt	540
agggttaggg	gagcagcccc	agcccacctc	aggtggcggc	cacagggctc	ttgggcctca	600
cctggacaat	aagtgactgc	atctccatca	ccacaatatg	tactcagatc	ccaggcggag	660
ggcaaggggg	ctgtggccac	agtgaagagg	gagtagggga	ctcacccctc	ctgccttctt	720
gtagccgaag	ggggctgtcc	aacctagtac	ggggactagg	gaagttgggg	aaggatgaaa	780
agtgcagccc	acgtggtgac	aaagacagtt	tggctggggg	aatcctgggg	gccagcacc	840
ccctccattg	gccacacctg	ctgctgccag	ggcagtggag	tagggcgtgc	caggaatgaga	900
tggggcttgg	gcccttttta	aggccagggg	aacctccca	ggccccacta	tgggaagcca	960
gagggaaacag	tgaaggagca	gagagggcgc	ccccaaacca	aaagccaga	gagcaatgtc	1020
cccaccacca	agggagtggg	gacgcagcag	gtgcagggtg	cggctaagtg	ggatgttagc	1080
cttgtccagg	agggcatgtg	tgtatgcgtg	ggtgggcggg	gggagctggg	aactgaggcc	1140
aggggaaaac	tgtcccccac	tcagcccatg	ggagccctgc	agcggctgg	gtgctgtgta	1200
gtgtggtggt	gagggcacag	gtggaagatg	ggggtggcgg	ccagaggcgg	tggatgatgt	1260
gggcctgggg	aaggggcggg	ggcgggtgga	gcggagcaaa	gctgtccagt	cccagaagga	1320
agctgctcct	ccagtgagga	gcaggcggca	cgcattgggtc	actgtctctc	ctccgaggac	1380
tcctgcgaga	tgcctcctc	ttcctccttc	tcagttttt	tgggtctgcc	ccttggtttc	1440
cttctctggag	ttgtggtggt	tttcggggtc	ttggcagcac	ccttggtttt	gcttcccttt	1500
ggtcggcccc	gaggtctctt	aggtgttggc	acttcgctgg	gctccttctg	actccctacc	1560
agcgtgtcc	cgggactcac	cggaggctgc	ttgcgcggcc	tgccccggcc	ccgcttctca	1620
gtgccgtcct	tttcctgctt	ggaggccaag	ggctggctgg	acttcgagct	cgactcactc	1680
atcttccctt	ctctaaggag	caggtggaag	agtgatggct	gggatgcgcg	agctcggccg	1740
ccggcctgcg	gtgcgcgctc	cgggttgccg	ggagcggcgg	tgctgggcgc	tgaggaccgg	1800
ctcggtcccg	ccgcggccgc	cgctggtagc	aaatgcggat	gccttcttgg	agcccggcca	1860
gctccagaaa	tagccccggc	tcggagtccc	aattagagga	gcgcagcacc	ggctcagggg	1920
agcttaaaaa	gc					1935

```
<210> 6336
<211> 2113
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> (166)...(1332)
<223> similar to gill147567 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```

<400> 6336



cccaaaacaa	cagcagatga	tatcttccaa	gtgtctgctc	gggacacggc	ttcagccctc	60
tgtggtcccc	tctccccggg	gggctttggg	attcttgtca	agctccttca	agagcctgca	120
agcacttaac	cagccaccca	gagttccctc	actgaagatc	tgagcatgac	ccgggacgag	180
gcactgccgg	actctcattc	tgcacaggac	ttctatgaga	attatgagcc	caaagagatc	240
ctgggcaggg	gcgttagcag	tgtggtcagg	cgatgcattc	acaagcccac	gagccaggag	300
tacgccgtga	aggtcatcga	cgtcacccgt	ggaggcagct	tcagcccgga	ggaggtgcgg	360
gagctgcgag	aagccacgct	gaaggagggtg	gacatcctgc	gcaaggtctc	agggcacccc	420
aacatcatac	agctgaagga	cacttatgag	accaacactt	tcttcttctt	ggtgtttgac	480
ctgatgaaga	gaggggagct	ctttgactta	cctcactgag	aaggtcacct	tgagtgagaa	540
ggaaaccaga	aagatcatgc	ggagctctgc	tggaggtgat	ctgcaccttg	cacaaactca	600
acatcgtgca	ccgggacctg	aagcccgaga	acattctctt	ggatgacaac	atgaacatca	660
agctcacaga	cttttgcttt	tcttgccagc	atggagccgg	gagagagggt	gcgagaggtc	720
tgccgggaccc	ccagttacct	ggcccttgag	attatcgagt	gctccatgaa	tgaggaccac	780
ccgggctacg	gaaaagaggt	ggacatgtgg	agcactggcg	tcacatcatgta	cacgctgctg	840
gccggctccc	gcgcccttctg	gcacccgaag	cagatgcttg	atgctgagga	tgatcatgag	900
cggcaactac	cagtttggtc	cgcccgagtg	ggatgattac	tcggacaccc	tgaaggacct	960
ggtctcccga	ttcctgggtg	tgcaccccca	gaacocgtac	acagcggaag	aggccttggc	1020
acacccttc	ttccagcagt	acttggtgga	ggaagtgcgg	cacttcagcc	cccggggaa	1080
gttcaagggtg	atcgctctga	ccgtgctggc	ttcagtgcgg	atctactacc	agtaccgccg	1140
ggtgaagcct	gtgacccggg	agatcgtcat	ccgagacccc	tatgccctcc	ggcctctgcg	1200
ccggctcatc	gacgcctacg	ctttccgaat	ctatggccac	tgggtgaaga	aggggcagca	1260
gcagaaccgg	gcagcccttt	tcgagaacac	acccaaggcc	gtgctcctct	ccctggccga	1320
ggaggactac	tgaggggctg	gccagtcagg	gagggctagg	gggcagggtg	ggaggggaag	1380
ccatggaaat	acaagtcaaa	ggggtgagat	gcgtgcaggc	ctctgcagaa	ggagcacttg	1440
gccctggcca	ggaacccctg	gaactgaggc	cacgatcccc	tctcaaaggc	tgtgcacaag	1500
ggaagtgggt	gttcccacca	cacagcaata	cctgcaggct	ggggcaggcc	ctgggtgggc	1560
agagatcaca	cgtggccctga	gaaccaggaa	ccccctgctc	ctctacttcc	tagatgagcc	1620
accatctcca	tttctcttta	ggggaggccc	atagttactg	acactcaggc	tttcttccct	1680
tagggtcaca	gggtgaggat	caaagacaca	aatgtctgag	atacacaatt	gcaggagatt	1740
ttattggccc	catgacatcc	agtgacagtg	tgggagcagg	ctactctcca	gggacatgtt	1800
tttggaggca	tatggagaag	ggggcccagg	cgaggtggct	cacacctgta	atcccagcac	1860
tttgggaggt	cgaggtggga	ggatcgcttg	aggccaggag	ttcgagacca	ccctgggcaa	1920
caagcgcaga	tcccatcact	acaaaaattc	aaaaaattag	ccaggcatgg	tggtgcacac	1980
ttgtagtccc	agctactcag	gaggtcgagg	tgggagaatt	gcttgggccc	aggaattcaa	2040
ggctagatgtg	agccgtgatc	accagtgcac	tctagcctgg	gcaacagaga	aagaccctgt	2100
ctcaaaaaaa	aaa					2113

```
<210> 6337
<211> 7564
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> (685)...(3534)
<223> similar to gi2224581 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```

<400> 6337  
ataatgccct gcgggagctc gagactgtta aggggatggtt qgacacatcc taatgaacct 60

gtagtgacc	tctcttactt	tgactgcatt	gagagtgtga	tggaaaactc	caaggttctg	120
ggtgaatcga	tggcagggat	ttcacagaat	gccaagaccg	gagacctccc	tgcttttggg	180
gaatgtgtgg	ggattgcatc	caaggctctc	tgtgggctga	cagaggctgc	agcccaggct	240
gcatacttgg	ttggcatctt	tgatccaaac	agccaggcag	gccaccaggg	cctggtggac	300
cccatccagt	ttgccagggc	taaccaggcc	atccagatgg	catgccagaa	cttgggtggac	360
cctggcgagca	gccccatcaca	ggtcctgtca	gccgccacaa	ttgttgccaa	gcacacgtca	420
gccttgtgta	atgcctgccc	catcgccctca	tccaagacgg	ccaacccagt	agccaagagg	480
cacttcgtcc	agtcggccaa	ggaagtgcgc	aacagcactg	ccaacctggt	gaagaccatc	540
aaggccctgg	atggggattt	ctctgaagac	aaccgcaata	agtgtcgcat	cgccaccgca	600
cccttgattg	aagctgtgga	gaacctgaca	gcgttcgcct	caaaccctga	gtttgtcagc	660
attcctgccc	agatcagctc	cgagggttcc	caggcacagg	aaccaatcct	ggtctcagcc	720
aagcccatgc	tggagagttc	atcgtacctc	attcgcactg	cacgctctct	ggccatcaac	780
cccaaagacc	caccacacctg	gtctgtactg	gctggacatt	cccatacagt	gtccgactcc	840
atcaagagtc	tcatcacttc	tatcagggac	aaggcccctg	gacagaggga	gtgtgattac	900
tccatcgatg	gcatcaaccg	gtgcatccgg	gacatcgagc	aggcctcgct	ggccgccgctc	960
agccagagcc	tggccacgag	ggacgacatc	tctgtggagg	ccctgcagga	gcagctgact	1020
tcggtggtcc	aggaaatcgg	acaccttatc	gatcccatcg	ccacagcggc	tcggggagaa	1080
gcagctcagc	tgggacataa	ggggacacaa	ctggcaagct	attttgagcc	cttgatctta	1140
gccgcagttg	gtgtggcctc	caagattctt	gatcatcagc	agcagatgac	ggtgctggac	1200
cagaccaaga	ctctcgcaga	gtctgccttg	cagatgttgt	atgcagccaa	agaaggtggc	1260
ggaaacccca	aggcacaaca	cacccatgac	gccatcacag	aggccgcccc	gttgatgaag	1320
gaagccgtgg	atgacatcat	ggtgacgctg	aacgaagctg	ccagtgaagt	ggggctgggt	1380
gggggcatgg	tggacgccat	tgcagaagcc	atgagcaagc	tggatgaagg	cactcctcca	1440
gaaccaaaagg	gaacatttgt	cgactatcag	acgactgtgg	ttaaatactc	caaagccatt	1500
gcggtgacag	ctcaggaaat	gatgactaag	tcggttacta	acccggagga	gttggggagga	1560
ctggcttcac	aaatgaccag	tgactatggg	cacctggctt	tccagggcca	gatggcagca	1620
gccacggcgg	aaccagagga	gatcggattc	cagattcgca	ctcgtgtgca	ggacctgggc	1680
cacggctgta	tcttctctgg	gcagaaggca	gggggccctc	caggtctgcc	ccacagacag	1740
ctacaccaag	agggagctga	tcgaatgcgc	ccgtgccgtc	acggaaaagg	tctccttggg	1800
gtctctgggt	ctccaggccg	ggaacaaagg	aaccaggca	tgattacag	ccgccaccgc	1860
tgtgtctggg	atcattggcg	acctggacac	caccattatg	tttgcaacag	cggggacgct	1920
gaatgcagag	aacagtgaga	ccttcgcaga	ccacaggag	aacattctca	agacggccaa	1980
ggccttggta	gaagacacga	aactacttgt	gtcaggagct	gcgtccactc	ctgacaagct	2040
ggcccaggcg	gcccagtcct	cagcagccac	catcaccacg	ctcgcagaag	tgggtcaagct	2100
gggggcagcc	agcctgggct	ccgacgaccc	cgagaccacg	gtggttttga	tcaatgccat	2160
caaagatgtg	gccaaggccc	tttctgatct	catcagtgtc	accaaggagg	ctgccagcaa	2220
gccagtggac	gaccttcca	tgtaccagct	caagggggct	gccaagggtga	tggtagccaa	2280
tgtcacctcg	ctcctcaaga	ctgtaaaggc	agtggaggat	gaggccaccc	ggggcaccag	2340
ggcgcttgag	gccacaattg	aatgcataaa	gcaggagctt	acggtgttcc	agtcaaaaga	2400
cgtaacctgaa	aagacatcat	cacctgaaga	atccataagg	atgacgaaag	gcatcaccat	2460
ggcaacagcc	aaagccgtgg	cagctgggaa	ctcatgtaga	caggaggacg	tgattgctac	2520
tgccaacctg	agccggaaaag	ccgtgtcaga	tatgttgacg	gcttgcaagc	aagcatcctt	2580
ccaccccgat	gtcagtgcag	aggtgagaac	cagagccttg	cgtttcggga	cggagtgcac	2640
ccttggtac	ttggacctcc	tggagcacgt	cttgggtgatt	cttcagaaac	caaccccgaga	2700
actcaagcag	cagctggccg	ctttctccaa	gcgagtcgcc	ggcgctgtga	cagagctcat	2760
ccaggcggcg	gaagccatga	aaggaacaga	gtgggtggat	ccagaagacc	caactgtcat	2820
tgcagaaaca	gagttacttg	gggctgcagc	atccatcgaa	gctgctgcta	agaagttaga	2880
gcaactgaag	ccaagagcaa	aacaaaaaca	agcggatgag	accctggact	ttgaggaaaca	2940
gatcttggaa	gctgctaaat	ccattgctgc	tgccacaagc	gccctgggtca	aatcggcctc	3000
agcagccag	agggagctgg	tggcccaagg	aaagggtggc	tccatccctg	ccaatgctgc	3060
agacgacgga	cagtggtcac	aggggctgat	ttctgctgcc	cggttggtgg	cggctgcgac	3120
cagcagctctc	tgtgaggcgg	ccaatgcctc	cgttcaggga	cacgccagcg	aggagaagct	3180
catctcatct	gccaagcagg	tcgccgcttc	cacggctcag	ctgctgggtg	cctgcaaggt	3240
gaaggccgac	caggattcag	aggccatgag	gcggctacag	gcggcaggaa	atgctgtgaa	3300
aagagcctca	gacaatcttg	tccgtgcagc	ccagaaggca	gcatttggca	aagctgatga	3360
cgacgatgtt	gtagtgaaaa	ccaagtttgt	ggggggcatt	gctcagatca	tcgccgcca	3420
ggaagaaatg	ctaaagaaag	agcgagaact	ggaagaagca	aggaaaaaac	tggcccaaat	3480

ccgccagcag	cagtataagt	ttttacccac	cgagctgagg	gaagatgagg	gctaaaggtg	3540
cgagcccaga	tggcgagccc	caggggatgg	ccctggctga	actggacaga	cagtgttcct	3600
gagaggctgg	gcacttagct	ggaaaccgcc	cacctccctc	ccgggtgagc	ctggagccct	3660
gcgtgcttgt	tctcacatct	ctgtcccgtc	ggcactggct	gcatgatcgt	gatgtcacac	3720
ggtacaatgt	cctaccacac	actcctctgc	cgcctccctc	catgcctcac	cgtgtctcag	3780
gagagagggg	tgcacgtttc	atggactggt	accaacaaag	aaaagtcagt	attatgttgt	3840
tctcagacac	tttggctttt	gttggtcctt	ctcttaggcc	tgctcctgga	cctctttatg	3900
atattgtgat	agggaaaaaa	atcattgacg	tcatagaata	ttcttcttcc	tctcaggaga	3960
agacggaagc	tggagttgga	catggttcat	aaaagccaga	aacacaaaacc	cgtgtggact	4020
ccgggagggg	gactcaggtc	ctccttccat	gtcttgagca	ctggctcacc	caggggggtga	4080
aaaattcccg	cccctgtttg	cacgctttct	tgctcctgtg	tgtaagctcc	ttgtacaacc	4140
cagacccatc	ttgtattttg	tggcccagaa	aactgaacga	ttattttggt	cctccgtagt	4200
ccaaagggca	gagttgcgga	aggcgcgcgg	ggcttggtga	gcaggggctg	taatacagtc	4260
tgtggggctc	cttaccctgc	agaggctggt	tcagctcaca	cagagttcat	ccacacaaac	4320
ccacggctcc	cagttgacag	tcagtggaat	gctcgtctcc	ttagcgtcca	gggtggggat	4380
tctgctggaa	taaagagctt	cctcagtgac	tcctccttta	gggtcccacgc	tgggttctgt	4440
gccttcagaa	tggtcacaag	cccgatttgg	aaaggatctg	cttacaaaacc	tgtcccctgt	4500
cctccaaccc	aaaacgcctt	ttttttctgt	cttaatatcc	agaaaatcta	aatgcctcct	4560
aaaatcaatt	gtgaaccctt	taacaaggat	agtttttact	tattatcaca	taagacataa	4620
gatgttttca	ttttctggat	gtcacacttc	cagaatttca	tatttttccc	ctcttttctt	4680
tccccttttc	agagccctcc	cataggaagg	gaagggcttg	aattttaccct	taatctgcac	4740
cttttagccaa	ggcagtgcat	ggaagatgaa	tggctcgtgg	ggccagaatc	taatgccagg	4800
gagcaggagt	gtttgaaaga	attcatagtg	gggaaggtaa	aagttaatgg	aagtacatga	4860
ttttcaaaac	tggtaacagt	taaaggcact	cacctccgc	ctctctctct	ctctctctct	4920
ctgggggggt	atcatgtctt	ggactccatc	cacactatag	tttcaaagtt	ccactgacgg	4980
gggaaagtgt	gtgcttttgt	cctccgaaga	tgtcaccttt	cgaccttgcc	cgatcttggt	5040
tcaccagact	ctagcccatg	tcatggtttt	aaaatacata	aacttctgac	agcttcccat	5100
atttataagt	tacttataag	tgctgcacgt	attagaattt	ttttttttca	gaccagtaaa	5160
gttagaaaaa	agacgctgta	aaggaaaagc	aagtgagagt	atgtgtagga	cactgacagt	5220
gtgtgggcac	cagttctgaa	gaggagggga	gctgctggag	ccctagcctg	ttggggaaaa	5280
gctggcacac	tcttggtctg	ccctctttga	gtggagctga	tccaacacct	catgcctgcc	5340
ttggccggac	actgagagga	ggggcacacg	tgcttccaga	gacactcagg	agtcagaccc	5400
caatgctcag	agtcacaatg	tgttcatggc	ctcctgtaac	aggactctgg	ggatcccctc	5460
tgtggcccag	cccaccccac	cctctgctct	tctatgctgt	gccaggggca	gctgccctct	5520
tctgcctgtg	ccccatccca	tctgaaaac	ccaggaccaa	ggcaggggca	ggcagccagt	5580
tcttccacct	tgcctcagag	tcatttaaaa	cctttactgc	atttgatacc	agaaaagcct	5640
ccagagacaa	accaaattgca	aaggcctttc	ctttataact	ctaaagaaca	ggcatcgaaa	5700
gtttattttt	gtaggagcta	tataaatact	cacctttctg	gagtctgcca	gtgctgggag	5760
ctttggggag	attggttctc	agttatcacc	tggatatggtc	ccagtttctc	atctgtcctt	5820
tcctcatcca	ccctgcacat	gtgtatgtga	aoggcttcgt	ggccgggtgtg	gtgggttctc	5880
atttcataag	atagttgaag	ggccatgcct	tgtctggatg	ttatttaata	ggcactactg	5940
cggtgtcctc	agatggtact	gagggggcct	tctggtcctt	caaaggaaaa	taacacaggc	6000
atgagttcat	ttgggagtgt	gaactttcag	aacacctaat	aagagagtgg	tgtcagagta	6060
aaaacggccc	caggtctgga	gcatagaagt	gtatctctgt	gaagagagag	ccggtgtggt	6120
gacatgtggt	tcttctcaca	cccctctact	cctcgagggc	tttgaatcct	tgggctgatt	6180
tttgtgccag	aaattgctgt	tcccgatggc	caaaagggga	acctgaactg	gatttcagaa	6240
ctgcccagtg	atttgaaaat	ttagatttta	cttgggcctt	tcaggagtct	ttagataggg	6300
atgctgaggt	catatttagt	tcaatgaaca	gcccttgttt	aagttttgcc	agtgctccagc	6360
cagctgtggc	cctggccatc	tgtgcaggca	ggttcctcaa	ttcctgggtg	gccctgcagt	6420
cggtcaacac	agtccctcca	ggtcggctgc	agaggcagct	gcccagcctg	cagtctatgc	6480
acgggcctta	agaaatgagc	tgctgttagc	ctcacggcat	atgcttttat	cagggaaaac	6540
ccttcgagct	tcttctgatt	ctcacctgct	tgttttctgg	ctgtcttagt	cagtgtgttt	6600
acaggcaact	aaagcctgtt	cctaatttat	caaaaaatta	taaccaaaat	tcaccatagc	6660
ctaagagagt	aaaccccacc	tccaaagtga	tgccaaaggcc	aaaacctcat	caaggaaacca	6720
gacacaggtc	aaaagtgggtg	agcaagccat	ggctctctgct	cctgggggaac	tcacacgctg	6780
acccccgagg	agccttggtt	tctccctggg	cagatagtcc	ccagaatctt	ctctcccagc	6840
tttgaggttc	tgggctctgg	aaaggcctct	gggatgctgg	ccttaagatc	tcagcacaga	6900

ctatcagcat	gttccattct	cagattcctg	gaggaaaggt	accctctgtt	gaccaagggg	6960
ctggctgctt	ctgagactta	ccaacccaag	aaatttgagg	acattcccct	caggctaaaa	7020
ggcagcggtc	cccagagttc	agaaagcaaa	agatcttgac	aactgtgcca	gtagtggctc	7080
tggtcctatc	tctccacagt	gctggcctct	gctggggaag	gcatctttcc	caaaggtatc	7140
cccaagtacc	atgttgaaaa	tgtcctcagt	ctgttgctcc	atctttctga	gcctctgctt	7200
ggtatgtcat	gtttatggtc	actacggatg	agtgtgtgca	gagtttgggt	tgattctttt	7260
aaatgctaca	aacaagagct	atttcttttc	aataaaaaag	gtttggattc	ggcctcttcc	7320
tctgagccca	cctcccagcc	ctccagggag	catcagtgtg	cctgagtcac	tttgtctgca	7380
tctcttcatt	ccacaaaaca	cgaggctggg	tctcattcag	cggcctctca	ccaaccttca	7440
agatccagaa	gaaaacagga	acgttcagct	ctgcctctgt	tcgtatctaa	tcacatacat	7500
taatttatct	aaccacataa	gttatttttt	tttatttgcc	cagaaataaa	cctttaaagg	7560
aacg						7564

<210> 6338

<211> 4407

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (447)...(2959)

<223> similar to gi4886427 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 6338

tttcgtttct	cgcgcggatg	gtgaagctga	atttggttcg	ctttaccctc	ggacaggaga	60
gcacggctgg	gcacgggggg	actcaccgcc	agtgaagta	gggacgaagg	ctcagggaag	120
gcgagcttcg	gtccaagccg	ttgggggtgtg	gggaggggaa	tccatttcgt	agacagctct	180
gccgaggcac	ggagaggggc	ggtgctgctt	ggggtaact	gggatttagg	gcttggattc	240
atttaagaac	ctgagcttcc	ttcaccaaac	ctagacagca	agagagagac	aagcccgagg	300
cctgacttct	agcactcctg	agtttgagcc	ctatgagcag	tggaacctag	ggaccaccaa	360
ggatccagat	ataattcttt	cctcagtaat	agaaaaaaga	atctgggatc	taagaagata	420
cctactcatt	ttctaagtga	ctggccatgt	cattgtccca	cttataccgg	gatggggaag	480
gccgcattga	tgatgatgat	gacgagcggg	agaactttga	gatcactgac	tgggatctcc	540
agaatgagtt	caaccccaac	cgacagcgcc	actggcagac	caaggaagaa	gccacctacg	600
gggtgtgggc	agagcgagac	tcggatgatg	agaggcccag	ctttggaggc	aaacggggcc	660
gtgactactc	tgcgccagtc	aacttcatca	gcgcagggct	caagaaaggg	gcagcggaag	720
aggcagagtt	ggaagattct	gatgacgaag	agaaacctgt	taagcaggac	gactttccta	780
aggatttttg	accaaggaag	ctaaaaacgg	gtggcaattt	taagcccagc	cagaaagggt	840
ttgcaggagg	aaccaaattc	ttcatggact	tcggcagctg	ggaaagacac	acaaaaggaa	900
ttggacagaa	gcttcttctc	aagatgggct	acgtccctgg	acggggcctc	gggaagaatg	960
cacaagggtat	cattaaccca	attgaagcca	agcagagaaa	gggaaaagg	gctgtggggg	1020
cttatggatc	cgagcgcccc	actcagtgcca	tgcaagactt	ccctgtgggt	gactcagagg	1080
aagaagctga	agaggagttt	cagaaggagc	tgagccagtg	gaggaaagac	ccaagtggaa	1140
gcaagaagaa	gccccaaatac	tcttacaaga	ccgtggaaga	gttgaaggcc	aagggcagga	1200
ttagcaagaa	gctcactgct	ccccagaagg	aactttctca	agtcaaggtc	atagacatga	1260
caggccggga	gcagaaggtc	tactacagct	acagtcagat	cagccacaag	cacaacgttc	1320
ccgatgatgg	gctgccgcta	cagtcccaac	agctgccaca	gtctggcaaa	gaggccaagg	1380
ccccgggctt	cgcgctgccc	gagctggagc	acaacctgca	gctgctcatc	gacctcacgg	1440
agcaggagat	catccagaat	gaccggcagc	tacagtatga	gcgggacatg	gtggtcaacc	1500

tcttccatga	gctggagaag	atgaccgagg	tcttggacca	cgaggagcgg	gtcatctcga	1560
acctcagcaa	ggtcctggag	atggtggagg	agtgcgagcg	gcggatgcag	cccgactgca	1620
gcaacccct	cacctggac	gagtgtgccc	gcatcttcga	aacctgcag	gacaagtact	1680
atgaggagta	caggatgtcc	gaccgtgtgg	accttgctgt	ggccatcgtc	tatccactca	1740
tgaaggagta	cttcaaggag	tgggatcccc	tcaaagactg	cacttatggc	accgagatca	1800
tctctaagtg	gaaaagcctc	ctagagaatg	accagctctt	gtcccatggc	ggacaggacc	1860
tctcagcaga	tgcttttcac	aggttgatat	gggaagtctg	gatgcctttt	gttcgaaaata	1920
ttgtcaccca	gtggcagcca	aggaactgtg	acccgatggg	ggactttttg	gatatgtggg	1980
tgacacattat	tctgtgtgtg	atcttagata	acatactgga	ccaactcatc	ttccccaagc	2040
tgcaaaagga	ggtggaaaac	tggaaaccgc	tcacagacac	tgttcccatc	cactcttgga	2100
tccacccatg	gctgcccctt	atgcaggcac	ggctggagcc	actctattcc	cccatccgta	2160
tgaagctgtc	cagcgccctg	cagaagtggc	accccagcga	ctcctctgcc	aagctcatcc	2220
tccagccctg	gaaggatgtc	ttcactcctg	gctcctggga	agcattcatg	gtcaaaaaca	2280
tagtgcccaa	gctggggatg	tgtcttggtg	agctagtcac	taacccccac	cagcagcaca	2340
tggatgcatt	ctattgggtg	attgactggg	aagggatgat	ctctgtctct	agcctgggtg	2400
gacttcttga	aaagcacttc	ttccccaagt	ggcttcaggt	gctgtgctct	tggctcagta	2460
acagcccaaa	ttatgaggag	atcaccaagt	ggtacctggg	ttggaagtcg	atgttctcag	2520
accaagtgtc	ggcacatcca	tctgtcaagg	acaaatttaa	tgaggcactt	gatatcatga	2580
accgggcggg	gtcctccaac	gttgggtgct	acatgcagcc	caggagcacg	ggagaacatt	2640
gcctatctca	cccacacgga	gcggaggaag	gacttccagt	acgaggccat	gcaggagagg	2700
cgggaggctg	agaacatggc	tcaaaggggc	attggcgtgg	ccgctagctc	tgtgcccatg	2760
aactttaagg	acctcattga	gaccaaggct	gaggagcaca	acattgtctt	catgcccgtc	2820
attgggaagc	gacacgaagg	gaagcagctc	tacacctttg	gccgcattgt	gatctacatc	2880
gaccggggag	tgggtctttgt	ccagggcgag	aagacgtggg	tgcccacctc	actgcagagc	2940
ctgatcgaca	tggccaagtg	aactgtggca	ggtccagaac	cagtcagaga	cttgccccta	3000
agagggatgt	actgtaaata	aacagtattt	ttagatcacc	ttcaaaaggg	taacttcttt	3060
actcaggagc	tactccacat	caggccaggt	catgagggaa	ggatgtaaaa	cgggacaatg	3120
ccacggtagg	gcaggaatct	ttataccaag	tcctcatgtg	gggtatcgtc	ctcaaaacag	3180
gacagccaag	ttgatgttct	ttcctggcaa	aggagttctc	tggtagtctc	tccatagcag	3240
ccttcccttt	agtctctggg	ggcagcttct	acctcagcca	acactgagta	cctcacaacg	3300
agttcagtc	gtagcagaag	gatcttctct	cttgttctcg	atgatttcaa	ggctcctaca	3360
gtcctgataa	tctgggttct	cccgaacttc	ccaaatatac	ctatggagag	ctgggtctag	3420
cttttgcaca	gggaaccagt	ggacagagggt	atcattaaat	atgtccatgt	attgtgaagt	3480
ctgaggaaac	tcaagctcct	ccagtccttt	taaaatctga	gcagaaaaat	tcaagtataa	3540
aaacttcaga	tagtcacagt	aatccccact	cttttgggat	aaatttccac	tttacttgtc	3600
atccccactt	tactttttta	aaaaataaca	aatagggtat	tttgatttaa	atgcttttgc	3660
ccaatgaatt	ggggcgcccc	aaggacagtg	gatatcatgg	actgtgatac	taagaataaa	3720
ggaaataagg	aaaaaactta	gagatgcatt	taagagtcac	agctttctgg	aacacagacc	3780
catggagaga	gctgacagta	cacttgcgcc	acttaggcca	tgagtttcct	cctacggctg	3840
taaagaaaga	tagaattctt	ctcagtttca	cacccttttc	catcccagcc	cctttattca	3900
gatagatacc	tttgcaatgt	agggataaatt	tttctgcaga	atccttgcca	acaacctaga	3960
aattaaaaaa	aacaaaaaaa	acaaaaaaa	aaacatgat	taggagggtat	gaggatagtt	4020
tcattcaact	tttaaaacac	ataaaagggc	aagatgattg	aagcatagta	agaattcagg	4080
aaaaaactca	agatgtggag	taaaccaggt	aaatagttga	aaatgtgggc	caggcgagg	4140
taatcccagc	acttcaggag	actgaggcgg	gcggatcatt	tgaggtcagg	agttcaagac	4200
cagcatggcc	aacatggtaa	aaccccatct	ctactaaaaa	tacaaaaatc	agccgggcgt	4260
cctggtgtgc	atctgtaatc	ccagctactc	attaggctga	ggtaggagta	tcgcttgaac	4320
ccaggagaca	gaggttgcag	tgagctgaga	ccataccact	gcactccagc	cgggggggaca	4380
gagtgaagact	ccatctcaaa	aaaaaaa				4407

<210> 6339  
 <211> 1960  
 <212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (240)...(1778)

<223> similar to gi3387977 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 6339

aattccccggg	tcgaggggagt	ccagctctg	agctggaggt	gctcatctgc	ctgggggtca	60
tgggttttga	acgggcactc	aatgtgttgg	cgcctatatt	ctataggaac	attgtgaact	120
tgctgactga	aaatgcacct	tggaaactctc	tggcctggac	tgttaccagt	tacgtcttcc	180
tcaagttcct	ccaggggggt	ggcactggca	gtacaggctt	cgtgagcaac	ctgcgcacct	240
tcctgtggat	ccgggtgcag	cagttcacgt	ctcggcgggt	ggagctgctc	atcttctccc	300
acctgcacga	gctctcactg	cgctggcacc	tggggcgccg	cacaggggag	gtgctgcgga	360
tcgcggatcg	gggcacatcc	agtgtcacag	ggctgctcag	ctacctgggtg	ttcaatgtca	420
tccccacgct	ggccgacatc	atcattggca	tcactacttt	cagcatgttc	ttcaacgcct	480
ggttttggcct	cattgtgttc	ctgtgcatga	gtctttacct	cacctgacc	attgtggtca	540
ctgagtggag	aaccaagttt	cgctgtgcta	tgaacacaca	ggagaacgct	acccgggcac	600
gagcagtga	ctctctgcta	aacttcgaga	cggatgaagta	ttacaacgcc	gagagttacg	660
aagtggaaacg	ctatcgagag	gccatcatca	aatatcaggg	tttgagtggtg	aagtcgagcg	720
cttcaactggt	tttactaaat	cagacccaga	acctggtgat	tgggctcggtg	ctcctcgccg	780
gctccctgct	ttgcgcatac	tttgtcactg	agcagaagct	acagggtggg	gactatgtgc	840
tctttggcac	ctacattatc	cagctgtaca	tgccctcaa	ttggtttggc	acctactaca	900
ggatgatcca	gaccaacttc	attgacatgg	agaacatgtt	tgacttgctg	aaaaagggag	960
acagaagtga	aggaccttcc	tggagcaggg	cccttccgct	ttcagaaggg	ccgtattgag	1020
tttgagaacg	tgcacttcag	ctatgccgat	gggcgggaga	ctctgcagga	cgtgtctttc	1080
actgtgatgc	ctggacagac	acttgccttg	gtgggcccat	ctggggcagg	gaagagcaca	1140
atthttgcgcc	tgctgtttcg	cttctacgac	atcagctctg	gctgcatccg	aatagatggg	1200
caggacattt	cacaggtgac	ccaggccctc	tttcggttct	cacattggga	gttgtgcccc	1260
aaagacactg	tcctctttta	tgacaccatc	gccgacaata	tccgttacgg	ccgtgtcaca	1320
gctgggaatg	atgaggtgga	ggctgctgct	caggctgcag	gcatccatga	tgccattatg	1380
gctttccctg	aagggtacag	gacacagggtg	ggcgagcggg	gactgaagct	gagcggcggg	1440
gagaagcagc	gcgtcgccat	tgcccgcacc	atcctcaagg	ctccggggcat	cattctgctg	1500
gatgaggcaa	cgtcagcgct	ggatacatct	aatgagaggg	ccatccaggc	ttctctggcc	1560
aaagtctgtg	ccaaccgcac	caccatcgta	gtggcacaca	ggctctcaac	tgtggtcaat	1620
gctgaccaga	tcctcgatcat	caaggatggc	tgcacgtgg	agaggggacg	acacgaggct	1680
ctgttgctccc	gaggtgggggt	gtatgctgac	atgtggcagc	tgcagcaggg	acaggaagaa	1740
acctctgaag	acactaagcc	tcagaccatg	gaacggtgac	aaaagtttgg	ccacttccct	1800
ctcaaagact	aaccagaag	ggaataagat	gtgtctcctt	tccctggctt	atttcatcct	1860
ggctctgggg	tatggtgcta	gctatggtaa	gggaaaaggga	cctttccgaa	aaacatcttt	1920
tggggaaata	aaaatgtgga	ctgtgcgaag	aaaaaaaaaa			1960

<210> 6340

<211> 2080

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (2073)...(1281)  
 <223> similar to gi4678526 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 6340

ttttttatgc	ttggaatcga	atthcatgaa	ttttattctaa	cacataaatc	aggtaagaga	60
gaagtagatg	gatatatttt	ttttttttta	aagaaattag	cctccctggg	gtacttacag	120
tagattgagg	tattgagaga	tttaciaaaga	tataattctt	tggaagatta	cagaagatgg	180
aaacaccacc	cccacctttc	actttcaggt	actggagttc	attaattctt	tcaccaaaaag	240
cacatcactg	aaggaaaatc	agaagtgggt	ttttagttat	tattaaagta	gttcaagacc	300
cagggaaacc	cttgagatga	aaacaaaaca	gtattcaact	tttcttcaca	agactacctt	360
gtactggcaa	gacttagagg	acttctggct	tgaaaaatat	tgcttagaaa	acttaaaaaa	420
aatcaacaa	caactatatt	ttggacaaaa	caattttttt	ttaatctgtc	ttgtaaaatc	480
cttacttctt	tttgagtctc	tgatggccac	aacatttcat	ttgagatgtt	tggcagtcac	540
agcttcaggg	gttatgggtta	ctgattatct	aaacccttta	ggtcagaatg	aacaaacaca	600
gttcatgtaa	acctggctgt	tattggagtc	ctctgaccaa	gagataatag	tgaagagtgt	660
ggagagcctg	aatgcccatt	gtggaaatgc	tggaaaaatt	aaaggtaaga	aataaaacat	720
agcacaggag	attcagaggg	ctgggatgac	ttctgagctg	ctctctatac	ccaaggccct	780
ttcaatttct	agctgtgaaa	gatttttcat	gcactgtggg	gcctgatgtt	tcctgcaatt	840
tgacaaaaat	aaatacttta	cacaagaaaa	ggatgcaagg	cttctacgtt	acactttggg	900
gatgctcagg	agccaaggct	cctgcttggt	tttcatttca	cagggcctgc	agccttgtct	960
ctggaagggt	ctgattagga	ctgggaatgg	cctcctctgg	tcgagactct	ctgaccctta	1020
agtaaatgaa	cttggtccca	tcccagtctc	caaacagatc	ccaacactac	gtttgttttt	1080
ctatatcctg	attgtcacac	ctggaagact	ctccttagta	tacatgaggc	ttactgccat	1140
gagaccaa	gactagagag	catcttttaa	gagaagcttg	ctcattcagg	aaaaattaag	1200
gatttggtac	aaactgcagg	ccaaagggaa	gctgacatat	tgttttgggt	tgtattcttg	1260
aaaacgcac	attaaatcta	cagtcccttg	tcagcatgct	gacttttacg	ctgcctcaag	1320
gagtcttcca	ccacctctgt	gtcagctggg	caggggtgct	cagagatgcc	ttcttcagcc	1380
tcctcaggct	ctacttcttc	ccgggtcaca	ccgtcctctc	ctggggggcc	ctgatcattg	1440
gcctcacttc	tctcctcatc	cacaccagca	gccaagttgt	cctcctcctc	ttcttctctt	1500
gcttcactct	catcgccaag	atcttctttc	tcttcttcat	catctacaag	gctgtctttg	1560
ttttcttctt	catttgaatc	atctttttcc	tcctccgcat	cctgcaactg	ttcagctcta	1620
tgagcctcct	ctgatctccg	attctgctca	gaacgctcag	ataaatgcct	tggaagtggc	1680
acatagaaac	attctgatat	taccaccaag	accagaccca	taaaaaggcc	aaaaaccaag	1740
gtggctatga	cgaaaaagac	ataagaacac	caagcaggaa	ttccaagagt	cactgtgaaa	1800
taagttgtga	aggatgccat	atcttgccag	agatgctaaa	aagaccagcc	attccagaca	1860
tcgttagaga	agccggggat	ttccagccag	tcagaggctc	cgactgattg	ccatttcttc	1920
tctaagatat	aattctgcag	gtcttcgaag	attcctgggg	ccacgataac	ggcggaatat	1980
cccatccttt	gcatgaaaaa	atgctgggag	agtgggtgaca	aagaagcggc	cactcaaacc	2040
tggttcttga	atgacatcta	ccttccccac	acctcgtgcc			2080

<210> 6341  
 <211> 597  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (22)...(219)  
 <223> similar to gi4261801 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 6341  
tatgccatcg tgtgggtgaa tgggggtcgac gcgctagagc atgagggatc tacctcccct 60  
ttgacaccga catcagtagc ctgttccagg tggggcccct gccctcccgc ctccgcatca 120  
ctatcaccat cggcaacatg ctcatctcct ccaccctgcc accagggagc atcctcgaca 180  
tggccgacac ctccacgtgg gtaccatcct gcttccaccg cagacaccca ccttcctgtc 240  
ccaccccggtg gggcattaca ttagggtaat tacattagt tcaagatatg ccataatact 300  
gagaatggag gagtctgagg ccctgggtcca tcaactgaca gcatgaactt cacgtcaaga 360  
agtgagattg gtgaataagt gaagacagaa ggaaaattgg agatacagct ggatgtatga 420  
accctgctct aaaaacactc tttaacggta taaggattct tattaacgaa ttttatttct 480  
tttttatctg atcattatct tattttgatt tatagaggaa tatatagagg gggatatcta 540  
tagagacaca cacgtttgtg tgtgtatata taaatatata tgtatgtgta aaaaaaa 597

<210> 6342  
<211> 6355  
<212> DNA  
<213> Homo sapiens  
  
<220>  
<221> misc\_feature  
<222> (120)...(5182)  
<223> similar to gi463430 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 6342  
ctcactgtcc ctctccggct ctagctctct ccatataaac cctcaagatt atgtcaattg 60  
gttagagcca gccgggaatt tctgtcgggt gctgaaggag ctgcgggagc cggagaagaa 120  
tgaaactgcg tggagtcagc ctggctgccg gcttgttctt actggccctg agtctttggg 180  
ggcagcctgc agaggctgcg gcttgctatg ggtgttctcc aggatcaaag tgtgactgca 240  
gtggcataaa aggggaaaag ggagagagag ggtttccagg tttggaagga caccaggat 300  
tgcctggatt tccagggtcca gaagggcctc cggggcctcg gggacaaaag ggtgatgatg 360  
gaattccagg gccaccagga caaaaggaa tcagagggtc tcctggactt cctggatttc 420  
cagggaacac aggtcttcct ggaatgccag gccacgatgg ggccccagga cctcaaggta 480  
ttcccggatg caatggaacc aagggagaa gtggatttcc aggcagtccc ggttttcctg 540  
gtttacaggg tcttccagga cccctggga tcccaggat gaagggtgaa ccaggtagta 600  
taattatgtc atcactgcca ggaccaaagg gtaatccagg atatccagg cctcctggaa 660  
tacaaggcct acctggtccc actggtatac caggggcaat tgggtcccca ggaccaccag 720  
gtttgatggg ccctcctggg ccaccaggac ttccaggacc taaggggaa atgggcttaa 780  
atttccaggg acccaaagggt gaaaaagggt agcaagggtc tcaggggcca cctgggctaa 840  
ctgggcagat cagtgaacag aaaagaccaa ttgatgtaga gtttcagaaa ggagatcagg 900  
gacttcctgg tgaccgaggg cctcctggac ctccagggat acgtggctcct ccagggtccc 960  
cagggtgtga gaaagggtgag aagggtgagc aaggagagcc aggcaaaaga ggtaaacagg 1020  
gcaaagatgg agaaaatggc caaccaggaa ttcctggttt gctggtgat cctggttacc 1080  
ctggtgaacc cgggaaggat ggtgaaaagg gccaaaaagg tgacactggc ccacctggac 1140  
ctcctggact tgtaattcct agacctggga ctggtataac tataggagaa aaaggaaaca 1200  
ttgggttgcc tgggttgctt ggagaaaaag gagagcgagg atttcctgga atacagggtc 1260



cacctggcct	tctctggacct	ccaggggctg	cagttatggg	tctctcctggc	cctcctggat	1320
ttccttgaga	aaggggtcag	aaaggtgatg	aaggaccacc	tggaatttcc	attcctggac	1380
ctcctggact	tgacggacag	cctggggctc	ctgggcttcc	agggcctcct	ggccctgctg	1440
gccctcacat	tcctcctagt	gatgagatat	gtgaaccagg	ccctccaggc	ccccaggat	1500
ctccagggtga	taaaggactc	caaggagAAC	aaggagtgaA	aggtgacaaa	ggtgacactt	1560
gcttcaactg	cattggaact	ggtattttcag	ggcctccagg	tcaacctggt	ttgccaggtc	1620
tcccagggtcc	tccaggatct	cttggttttcc	ctggacagaa	aggggaaaaa	ggacaagctg	1680
gtgcaactgg	tcccaaagga	ttaccaggca	ttccaggagc	tccagggtgct	ccaggctttc	1740
ctggatctaa	aggtgaacct	ggtgatatac	tcacttttcc	aggaatgaag	ggtgacaaaag	1800
gagagttggg	ttcccctgga	gctccagggc	ttcctggttt	acctggcact	cctggacagg	1860
atggattgcc	agggcttcct	ggcccgaag	gagagcctgg	tggaattact	tttaagggtg	1920
aaagagggtcc	ccctgggaac	ccagggtttac	caggcctccc	aggaataata	gggcctatgg	1980
gtccccctgg	tttcggccct	ccagggccca	gtaggtgaaa	aaggcataca	aggtgtggca	2040
ggaaatccag	gccagccagg	aataccaggt	cctaaagggg	atccagggtca	gactataacc	2100
cagccgggga	agcctggctt	gcctggtaac	ccaggcagag	atggtgatgt	aggtcttcca	2160
ggtgaccctg	gacttccagg	gcaaccaggc	ttgccaggga	tacctggtag	caaaggagaa	2220
ccaggtatcc	ctggaattgg	gcttcctgga	ccacctggtc	ccaaaggctt	tcctggaatt	2280
ccaggacctc	caggagcacc	tgggacacct	ggaagaattg	gtctagaagg	ccctcctggg	2340
ccaccgggct	ttccaggacc	aaagggttga	accaggattt	gcattacctg	ggccacctgg	2400
gccaccagga	cttccagggt	tcaaaggagc	acttgggtcca	aaagggtgatc	gtggtttccc	2460
aggacctccg	ggtcctccag	gacgcactgg	cttagatggg	ctccttgga	caaaagggtga	2520
tggtggacca	aatggacaac	ctggaccaat	gggacctcct	gggctgccag	gaatagggtg	2580
tcaggggacca	ccaggaccac	cagggattcc	tgggccaata	ggtcaacctg	gtttacatgg	2640
aataccagga	gagaaggggg	atccaggacc	tcctggactt	gatgttccag	gacccccagg	2700
tgaaagaggc	agtccaggga	tccccgggagc	acctgggtcct	ataggacctc	caggatcacc	2760
agggtctcca	ggaaaagcag	gtgcctctgg	atttccagggt	accaaagggtg	aaatgggtat	2820
gatgggacct	ccaggcccac	caggaccttt	gggaattcct	ggcaggagtg	gtgtacctgg	2880
tcttaaagggt	gatgatggct	tgcagggtca	gccaggactt	cctggcccta	caggagaaaa	2940
aggtagtaaa	ggagagcctg	gccttccagg	ccctcctgga	ccaatggatc	caaattcttct	3000
gggctcaaaa	ggagagaagg	gggaacctgg	cttaccagggt	atacctggag	tttcaggggcc	3060
aaaagggttat	cagggtttgc	ctggagacc	agggcaacct	ggactgagtg	gacaacctgg	3120
attaccagga	ccaccaggtc	ccaaaggtaa	ccctggtctc	cctggacagc	cagggtcttat	3180
aggacctcct	ggacttaaaag	gaaccatcgg	tgatatgggt	tttccagggc	ctcagggtgt	3240
ggaagggcct	cctggacctt	ctggagttcc	tggacaacct	ggctccccag	gattacctgg	3300
acagaaaggc	gacaaagggtg	atcctgggtat	ttcaagcatt	ggtcttccag	gtcttcctgg	3360
tccaaagggt	gagcctggtc	tgcctggata	cccagggaac	cctgggtatca	aagggttctgt	3420
gggagatcct	ggtttgcccg	gattaccagg	aacccctgga	gcaaaaggac	aaccaggcct	3480
tcttggaattc	ccaggaacct	caggccctcc	tggaccaaaa	ggtattagtg	gccctcctgg	3540
gaaccccggc	cttccaggag	aacctgggtcc	tgtagggtgg	ggagggtcatc	ctgggcaacc	3600
agggcctcca	ggcgaaaaag	gcaaacccgg	tcaagatgggt	attcctggac	cagctggaca	3660
gaagggtgaa	ccagggtcaac	caggcttttg	aaaccagga	ccccctggac	ttccaggact	3720
ttctggccaa	aagggtgatg	gaggattacc	tgggattcca	ggaaatcctg	gccttccagg	3780
tccaaagggc	gaaccagggt	ttcacggttt	ccctgggtgtg	cagggtcccc	caggccctcc	3840
tggttctccg	ggtccagctc	tggaaggacc	taaaggcaac	cctgggcccc	aagggtcctcc	3900
tgggagacca	ggtctaccag	gtccagaagg	tcctccagggt	ctccctggaa	atggagggtat	3960
taaaggagag	aagggaatc	caggccaacc	tgggtacct	ggcttgccctg	gtttgaaagg	4020
agatcaagga	ccaccaggac	tccagggtaa	tcctggccgg	ccgggtctca	atggaatgaa	4080
aggagatcct	ggtctccctg	gtgttccagg	attccagggt	atgaaaggac	ccagtggagt	4140
acctggatca	cctggccctg	agggggaaac	gggacttatt	ggtcctccag	gccctcctgg	4200
attacctggt	gcttccaggac	agagtatcat	aattaaagga	gatgctggtc	ctccaggaat	4260
ccctggccag	cctgggctaa	aggggtctacc	aggaccccaa	ggacctcaag	gcttaccagg	4320
tccaaactggc	cctccaggag	atcctggacg	caatggactc	cctggctttg	atggtgcagg	4380
agggcgcaaa	ggagaccag	gtctgccagg	acagccagggt	acccgtgggtt	tggatgggtcc	4440
ccctgggtcca	gatggattgc	aagggtcccc	aggtccccct	ggaacctcct	ctggtgcaca	4500
tggatttctt	attacacgcc	acagccagac	aacggatgca	ccacaatgcc	cacagggaac	4560
acttcagggtc	tatgaaggct	tttctctcct	gtatgtacaa	ggaaataaaa	gagcccacgg	4620
tcaagacttg	gggacggctg	gcagctgcct	tcgtcgcttt	agtaccatgc	ctttcatggt	4680

09-16-78

```
<220>
<221> misc_feature
<222> (1)...(1466)
<223> n = a,t,c or g
```

<400>	6343						
tttttt	tcttgc	atga	aatatatttg	gagacaatat	aataaaaagta	attttttaaag	60
ataaaag	aatgaattt	ctattggact	attctaatac	tatctagcag	tttaaatgggt		120
aaagaa	gtagactgga	ctataacata	cttctacaat	tctagctata	atataattttg		180
tactctt	tctacaaaac	aaaaacgact	aaagggcgaga	aaaatgattc	cacactaagg		240



cttctccaac	cggcctcccc	tgcgcctac	ccccagcagg	gccttgatg	acaaaccccc	1020
tccaccacct	cctccagtgg	gcaacaggcc	ctccatccac	aggggaagcgg	ttccccctcc	1080
tcctcctcag	aacaacaagc	ctccagtgcc	ttccactcgg	cggccttcgg	cctcctcaca	1140
ggccccacct	cgccgccac	ctcccagcag	gcccggggcg	cctcctctgc	ctccaagttc	1200
cagcggcaat	gacgaaaccc	caagactccc	acagcggaat	ctgtccctca	gttcgtccac	1260
gccccgтта	ccttcgccag	gacgttcagg	tctcttct	ccccgcca	gtgagagacc	1320
cccacctcca	gtgagggacc	cgccaggccg	atcaggcccc	ctcccaccac	ctcctccagt	1380
aagcagaaac	ggcagcacat	ctcgggccct	gcctgtacc	cctcagttgc	catccaggag	1440
tggagtagac	agtcccagga	gtggacccag	gcctcccctt	cctcctgata	ggcccagtg	1500
tggggcacct	ccccaccte	caccatcaac	atctattaga	aatggcttcc	aagactctcc	1560
atgtgaagat	gagtgggaaa	gcagattcta	cttccatcgg	atttcggatt	tgccacctcc	1620
agagccatat	gtacaaaagc	ccaaaagtta	tcccagcaaa	ctggcaagaa	acgaaagccg	1680
gagtggatcc	aaccgaagag	aaagggtgc	tccaccactc	cctccactcc	cgaggtgatc	1740
tttgctgct	cttctctacc	caagctcaag	agctgcttct	gttgctatct	aagaactgca	1800
tacctctct	cctgcttctt	cccttggtcc	tcatgtatgg	gcaggaggaa	aggtgggagg	1860
gggagtggga	atatgcgtgt	gtgggtggga	atcggtgaaga	aatgcacct	gcttttcata	1920
ttgtgtttat	tctccaggct	attgcttgt	tcagctgcag	cctgcctgtg	ctggctgctg	1980
gggtcgatag	gcttttgtcg	taataggcag	agatgacttg	catcccagct	ttccaccaac	2040
caaattcaaa	cattcactgc	ttatttgta	cagactgtaa	ttattaaagt	ccctgagagc	2100
tgttttctcc	cgttcccttt	tgcgatgctt	ggcctcctct	ctgtttctat	gaaccacaga	2160
ccacctaaag	aagctgctga	gtaagggtc	actggaaact	tgcagtcaca	ggatgtccaa	2220
tctttggcag	tccgagcttg	gctctaggac	agagctgtcc	aatagaaata	taatgtgagc	2280
ccatataca	atttttacat	ttctaata	ttttaaaca	gtgaagttaa	tatgcatcca	2340
aaatattttca	acctgtaatc	aacataaaat	tttaatgaga	tattttatat	tatttttttg	2400
tactgaatct	tcaaaatcca	gagtgtattt	tacacttacc	gcacatctcc	attcagacta	2460
gtcacatttt	taagtgtcta	gtagccacat	gtggctggtg	gctactggat	tagacagcac	2520
gagtctggaa	gatggaagct	agtgcagaaa	cctcttgttt	aaaaaacaaa	aaaggcaaga	2580
tgggtcttgag	cgattcaaga	ggcaactaaa	aataaaaata	ggaccacga	ccttgtttga	2640
cacacagttt	gaccttcgat	tttccctcct	taacttccct	cttcccttaa	tatctgtata	2700
caagtgttgc	ttcaaagtac	caaggtcaga	aattgattca	gtacggttta	ctaaagtcac	2760
gtggaataaa	gccattggaa	acaaaaaaa	aaa			2793

```
<210> 6345
<211> 3680
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3452)...(514)
<223> similar to gi3299885 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```

<400>	6345					
tttttttttta	ccgggacacca	acgttggttt	taatggcatc	aacaccagg	aggtcacacg	60
tcagttctgg	ttggcaacgt	ctaggggtga	ggggctgtgg	cctccagtcg	gccccacagc	120
ctttgagaac	tggctgcccg	gtccaccccg	cttccgcgcc	cgccccactg	aaaaaacact	180
aaacgattgc	actgacagac	agaccccgaga	gcgcccggcc	tccacacac	ccacggggct	240
gtcagagtca	accagggtt	tggcgctact	cggcggtggc	ccggggctgc	gccaggata	300
gtgtttatca	aatgtgacac	aggttcattt	acaaactggg	gctctggaag	gtctacttct	360

gtggctctaa	gagacttgct	tctcatggct	tctctcggag	ctaccggaag	ttggacctgg	420
ataacgctgt	gtaggttggt	tggtttat	gtaaggaatg	tgtaaggcat	tttggtaagt	480
tgaacagtaa	cttctttt	caaagaggaa	actcagacag	aggtgccctc	ctttgagctg	540
ctgccgtcct	ctgcctttt	cagctgttcc	tgcagcttct	tcaccgtgtc	cttctccctt	600
gccagctgct	cctgggtcgt	cttcagaagc	tcctgcagtc	tcgtggcggc	gcgcccaggg	660
tcacttgtaa	acttcttctc	tttttctagt	ctctccttca	gctgtgaggc	ctcctctgtt	720
tctgaagact	ctagggggcc	ggctgtgcgg	agcttctcca	attcttcttg	taaccgacat	780
gccgaggtct	gagcctcctc	aaactcggcc	gtgagcttct	gccgctgtgt	ctgctcatcc	840
tccaggatgg	cttctgtcca	ctccagctgc	gtcttcagct	gaacgggggtc	ctgctcggct	900
gggggcgcct	ctggggagga	agctggggcc	ccagctatgt	caccatcctc	tacgtggctc	960
ttcatttcac	tcaactgctg	cctgaccagg	gcaagctcat	cgctctgttt	ctgggcttcg	1020
ctcttggcgg	catcgagctg	agattgagat	tctaggagaa	gttgccctcag	ccctgccacc	1080
tccttggcgt	atctctggca	ctcggcgctg	gcggccgcca	tgtgcttttc	cagctctgcc	1140
tccaaatgcg	acgtgtgctc	cctcacctgg	tcggaacttt	caagttcttc	ttttagcttc	1200
tctacaatct	cttcgagatg	cttcactgtg	accggggact	tctggagctc	ctcctctgcg	1260
gcgcccacct	tggccctcca	cacctgctcc	tcctcctcca	cgctcttctg	caggtctctg	1320
agcatgccct	ccgtctccgc	caggatgctg	cggtactggt	cacactcggc	ctgcagtgtg	1380
ctctgcgtct	cctcggcctc	cctcaacttg	gaggccaggt	ccgaggaggg	ctccgcggga	1440
gctggcgggt	gcttcagcag	cgtggggcct	ttctctttga	gatcctgcag	ccactcgggtg	1500
taattctgtt	gtgccaagac	agagagttct	gggagcagag	ccagcagggc	ctccatggtc	1560
tgcgcctcaa	tcagacagag	ctgcttctcc	gattcctcct	tggcctgggt	cagggaagtgc	1620
agcttctcct	tgcaaggcctg	ctcggccgtg	gccagtgcct	ccatggcctt	ccagttcttc	1680
tcccggaggt	cattgttctt	cactttctgc	tgctcgacgg	cctccctgag	ctcgatggcc	1740
tccttctcca	gacccgacac	ctgggactcc	agctccttga	ggcgagtctg	ctgctggtca	1800
gcctccgcct	ggctggcctg	gacgtcctgg	gcaccccgcg	gcctggccccg	cctccagcag	1860
ggcctcaatg	gaacggattc	tctctgtgag	ctgggagttc	tctgccctgg	cctcctggag	1920
ctgcccggtg	aggccaactca	gctcctcgca	tttgcctgcg	acctccgcct	cggaggactg	1980
taacttgctg	tgcagctcgg	ccatctgctg	ctgttgctcc	tgggccttct	cggcatccgc	2040
ccggaggctg	gcgtggctgc	tctgcgtgtg	gcacagctcc	cggctgacct	cgtccaggcg	2100
cttctgcag	gcctcctcac	tctccctgtg	ggacgcctgc	agctgcagga	cctgcttctc	2160
gaaggcagct	gccttggtctt	ccagagcttt	ccgtgctgc	tcactttgcc	gcacagcctc	2220
tgaacttctcc	accagctctt	tgctgacctt	gctgagctcc	tgccgaagct	tggccagctc	2280
tgcgttctgc	ttgctctcca	cctggctcgt	ggcctggttc	aaggcatccc	gcaggatgga	2340
gttctcctgc	tgcaggcggg	ccagctgcgt	gttggggcca	ttctccagct	gctcctgaag	2400
agtccggatc	ttgccctgca	gctgctgcac	ctccttcacg	tgctcccggg	agctggcctg	2460
catgcgtgcc	tgcacagccg	tgatctcctg	ctcccgggcc	accagctgct	ttttcacttt	2520
ggcctccccg	gctgctgctt	tggccttttc	tgctgccatc	tccttggttg	gctccctcag	2580
tttgctcttg	gcgacagccg	catcttctctg	ttctgtggcc	agcagttttt	ccttctcttc	2640
cagctggcgt	ttcagaatcg	ccacaggggtc	acccttctga	gtggccttgt	gccagggtgc	2700
ctgaatgatg	ccagccttct	cagacaggat	ctcgatgagc	cgctgggcct	cgccctcggt	2760
gaacaccatg	ctcccaaccg	tggagaccag	cgcttgtag	gggaggtaga	gagggccgtc	2820
ggcatctggg	ggcccttttt	tctttgaacc	agacttcttc	ttggcaggag	cctcttgctt	2880
tgggtgcctct	gggtctggg	ccacatctgt	atttctgccc	tccttgggag	cagtttccaa	2940
gatggcagcc	ttcgaagtga	gaacctggat	ggaattcact	acagagctga	cagctgggtc	3000
cacttttgcc	acttttttct	ccttcttctt	tttgccttg	ggggaggagg	ccagcttctc	3060
ctggggcatg	gctggaactg	tggcgacagg	agcaacgata	atggggggct	gcactggggg	3120
tggagccaca	gccacagcag	gagcccgcac	tgggtctcga	aggaggacag	tcacattggg	3180
ggctggatca	tgatcaggta	tcttcccatt	aggtttctct	tcctttttct	tgggtctttcc	3240
tttcttctcc	actgttttct	ccttcttttt	cttctcgact	ttctgggtgg	gagttttcgc	3300
catctccttg	cgctgggttg	ctagggtctt	ttcatatgac	gtttccttca	tggagaaagt	3360
cgacaccagg	aagatgccaa	tggcagaaac	aaccatgaat	cctccaaaga	ccacaacccc	3420
caaggtttga	gtgtcgtaaa	tatccatcct	ggcttgcttt	cctttcacta	ggagggtctgc	3480
cccggccttt	gcttcaacag	agagggaaat	ggcacctcca	ggacctcaga	accggaagct	3540
tctttctgca	gccagagacg	cgagagggaa	agcgagaggg	caggagccgc	cgcttctgca	3600
gccgccgcgg	agccgggaga	gaggagccgg	ccaagcctcc	gccaagaaaa	agcccccgag	3660
cagctgtaga	cgctgcgact					3680

```

<210> 6346
<211> 2083
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(2084)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (424)...(1686)
<223> similar to gi54244 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 6346
tatcgcgtaa atctggatgc gcgcgatata agcaaattaa atgggttcgtg gccgcatcct      60
agagcccttt aattagagtt accatttgta gaaggcctgc cgtgcacaat ccctcgtttc      120
atctccccc aaaccgagca ggaaagtga taaacttaat tgagaatgtc tgaaaacctt      180
gacaagtcca atgtaaatga agcaggaaaa tcaaaatcca atgattctga ggaaggcctc      240
gaagatgctg tggaagggtg tgatgaagcc ttacaaaaag caataaagtc agactcctcc      300
agccccaaa gagtgcagag acctcactct agtcctcctc gctttgtgac agtagaagaa      360
cttctagaga cagcgagagg cgtcaccaac atggctctag cccatgaaat tgtagtaaat      420
ggagactttc agattaaacc agttgaatta ccagaaaaca gcttgaagaa gagagtaaag      480
gagattgtac ataaagcgtt ttgggattgc ttgagtgtgc agctaagtga agatccccc      540
gcatatgacc atgctatcaa acttgtagga gaaatcaaag agactctctt atctttcttg      600
ctgcctggtc atactagact gagaaaccag ataacagaag tcttggatct ggatctgata      660
aagcaggaag cagagaatgg ggcgctagac atttccaagc tggcagaatt cattattggc      720
atgatgggga cactgtgtgc acctgctcga gatgaggaag ttaagaaact aaaggacatt      780
aaggaaatag tgccctttt cagagaaatt ttttctgtgt tggacctaat gaaagtggac      840
atggccaact ttgctatcag tagcatcagg cctcatctca tgcagcagtc agttgaatac      900
gaaaggaaga agtttcaaga gattttggag aggcaaccaa attccctgga ctttgtcacc      960
cagtggctgg aagaagcctc agaggacctt atgactcaga agtataaaca cgccctgcca     1020
gtggggggaa tggtgtctgg ctctggggac atgcccaggc tgagccctgt tgctgtccag     1080
aattacgctt acctgaagct tctgaagtgg gaccacctcc agaggccgtt ccccgaaaca     1140
gttttaatgg accagtctcg cttccacgag ctccagttgc agctgggaac aactgaccat     1200
cctgggggct gtgttgctgg tcaccttcag catggcagcg ccaggaattt ccagccaggc     1260
cgactttgct gagaaactca agatgattgt gaagattttg ctaacagata tgcacctgcc     1320
ctccttccat ctgaaggacg tcctcactac catcggggag aaggtgtgcc tggaggtgag     1380
cagctgcctc tccctgtgtg ggtcctctcc cttcaccacg gacaaggaga ccgtgctcaa     1440
gggccagatc caggccgtgg ccagtcccg      tgaccccat cgcaggatca tggaatctcg     1500
aatcctgacc ttcttagaaa cctaccttgc ctcgggtcat cagaagccat tgcccacagt     1560
ccctggggga ctcagtccag ttcagagaga gctggaggaa gttgctatta aatttgctcg     1620
cctggtcaac tataacaaga tggctctctg tccctactac gatgcaatcc tgagtaagat     1680
cctcgtccga tcctaacgtg tatgcacct acagcagcag tattactcac tagccacaga     1740
atacctgttc tgtactctaa tgttgcatcg gaaaatggct atatagtaca tgtctattta     1800
acagcaccga ttccaaaggg aagaatattg tgtatcactg ttgaaaagac ttgttgagaa     1860
atccactgaa ttctattttg agagattgta tttatgagtg caagtttaca aatcaaagaa     1920
gcattttgtt ctcgagtttt acaggtaaca ctcagctgtt gtctccactc ctccccctc     1980

```

tagagccaaa	naaaaaaaaa	aaaaagggtt	ttatgatatt	gggttgttga	gttccttata	2040
tatactggtt	atgaaccccc	ttgtagcagg	tgtgtttatt	cag		2083

<210> 6347  
 <211> 2154  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (30)...(1063)  
 <223> similar to gi3790133 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 6347	
gctgcgcccc	acgccagccc gcgccccgca tggctgccgc cggggccagg cctgtggagc 60
tgggcttcgc	cgagtcggcg ccggcgtggc gactgcgcag cgaggcagtt cccagcaag 120
gtgggcgggc	ggccggcatg gctgggcgcg gccgggctgc cggggcccca ggccctggcc 180
tgcgagctgt	gcggccgccc gctctccttc ctgctgcagg tgtatgcgc cctgcctggc 240
cggccggacg	ccttccaccg ctgcatcttc ctcttctgct gccgcgagca gccgtgctgt 300
gccggcctgc	gagtttttag gaatcaacta cccaggaaaa acgattttta ctcatatgag 360
ccaccttctg	agaatcctcc ccagaaaaca ggagaatcag tgtgtctcca gcttaagtct 420
ggtgctcatc	tctgcagggt ttgtggctgt ttaggcccc aaacgtgctc cagatgccac 480
aaagcatatt	actgcagcaa ggagcatcag accctagact ggagattggg acataagcag 540
gcttgtgcac	aaccagatca tctggaccat ataattccag accacaactt cctttttcca 600
gaatttgaaa	ttgtaataga aacagaagat gagattatgc ctgaggttgt ggaaaaggaa 660
gattactcag	agattatagg gagcatgggt gaagcacttg aggaagaact ggattccatg 720
gcaaaacatg	aatccaggga agataaaatt tttcagaagt ttaaaactca gatagccctt 780
gaaccagaac	agattcttag atatggcaga ggtattgccc ccatctggat ttctggtgaa 840
aatattcctc	aagaaaagga tattccagat tgccctgtg gtgccaagag aatattggaa 900
ttccagggtca	tgctcagct cctaaactac ctgaaggctg acagactggg caagagcatt 960
gactggggca	tcctggctgt cttcacctgt gctgagagct gcagcttggg tactggctat 1020
acagaagaat	ttgtgtggaa gcaggatgta acagatacac cgtaaaggca tcttaaagcc 1080
ttgaaaaatg	ttaataatct tttatacctt gcaattccat ttctgggatt ttatcctaag 1140
gaaatactta	taccaaaaat agagggtgcag agatgttgac ggattgctta cacagtgtct 1200
acttattagt	gaaacaaaag tgtccagtga cagggaatta aataaatttt ggtacatcca 1260
cagaggaagg	ctacacagtc ttaattataa cacctatatt gacaacagac ataccattat 1320
aggtggtatt	catggtatga tcctattctt gtaaaaatat ttgtatgtat gcacagaaat 1380
ctgcaaagat	gtacacttag tgaactgggt accaacgaat ggtgggacta actaaaatgg 1440
tctttttact	tatatgtgca tttcttttta taataaaaaat gggttatatg cctaataaag 1500
tcaaaccatc	tcactctgag catttcccac cctaggtttt taaaacacaa aaatacttag 1560
gtaaaactcc	caacaaactt gtctgacat tagctgatta tcacaggctc tagtatgtac 1620
tggaagccca	gaatatattga gaaataccaa acctcagggt ggtgagtatg atgaacagga 1680
aaccagtaa	ttctgaagca gcagtatcac agttggcagg atgaggaaca acagtggcctt 1740
tgtgatcaca	gaactggaat ttaagaggc tggaccttca gaactgatct tggtcagcca 1800
gcggccctgc	ttacagatga gacactgaaa ggcaaaaggc gatggtcttc cctttccgtg 1860
tcagcattgt	atacaggttc cctatcgcac atacaagggt tatggaatgt aagccaaaat 1920
aagggtctgg	cctaggaggc agcagcctga aggaaaggaa ggccctgaag tcagttttca 1980
aaggggctga	cccttggcct attatgtttc tgatacatct gtttaagcaa agcggctcct 2040
aagactacac	taaggtttct tccatcccct agcaagctca cagttgacaa ttcccagttc 2100

tctcagcacc cagtggatgc ctgcccttta agacacattg ctgttgatca gtgg 2154

<210> 6348  
 <211> 2514  
 <212> DNA  
 <213> Homo sapiens  
 <220>  
 <221> misc\_feature  
 <222> (102)...(2416)  
 <223> similar to gi4033595 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

CCCTCCTTCCGG

<400> 6348  
 tgcggccgcc tcctcttcgg ggtcattaaa gccaatgagc cgcgcgcctc tgccgagcgc 60  
 agccaactaa atcggcttgg atgattcgcg acctgagcaa gatgtacccg cagaccagac 120  
 acccggcacc gcatcagcct gctcaaccct ttaaatttac aatttccgaa tcctgtgatc 180  
 ggattaagga agagtttcag tttttacagg ctcaatacca cagtctgaag ctggaatgtg 240  
 agaaactcgc cagtgagaag acagagatgc agcggcatta tgtcatgtat tatgaaatgt 300  
 cctatgggtt gaatatagaa atgcacaagc aggcagagat tgtcaagagg ctgaatgcta 360  
 tctgtgcaca agtcattcct ttctgtgcc aagagcacca gcaacaagtg gtgcaggctg 420  
 tggaacgggc caagcagggt accatggcag aactgaacgc catcattggg cagcaacaac 480  
 tccaggccca gcatttatca catggacatg gtctccccgt acctctgact ccacaccctt 540  
 cagggtccca gccccctgcc attccaccca tcggtagcag tgccgggctt ctggccctct 600  
 ccagtgtctt aggaggtcag tcccattctc caattaaaga tgagaagaag cccatgaca 660  
 atgatcacca aagagacaga gactccatca agagctcttc agtatcccca tcagccagtt 720  
 tccgaggtgc tgagaagcac agaaactccg cagactactc ctacagagagc aaaaagcaga 780  
 aaactgaaga aaaggaaatt gcagctcggt atgacagcga tgggtgagaaa agtgatgaca 840  
 acttgggtgt tgacgtttcc aatgaggatc catcttcccc tcgaggggagc ccagcacatt 900  
 cccccagaga gaatggccta gacaagacac gcctgtctca gaaagatgcc ccgattagtc 960  
 cagcctctat tgcattctcc agcagtactc cctcctccaa atccaaagaa cttagcctta 1020  
 atgaaaaatc tactactccc gtctcaaagt ccaatacccc tactccacga actgatgcgc 1080  
 ccaccccagg cagtaactct actcccggat tgaggcctgt acctggaaaa ccaccaggag 1140  
 ttgacctttt ggcctcaagc ctaaggaccc caatggcagt accttgtcca tatccaactc 1200  
 catttgggat tgtgccccat gctggaatga acggagagct gaccagcccc ggagcggcct 1260  
 acgtggggt ccacaacatc tcccctcaga tgagcgcagc tgctgccgcc gccgctgctg 1320  
 ctgctgccta tgggagatca ccagtgggtg gatttgatcc acaccatcac atgcgtgtgc 1380  
 cagcaatacc tccaaacctg acaggcattc caggaggaaa accagcatat tccttccatg 1440  
 ttagcgcaga tggtcagatg cagcctgtcc cttttccacc cgacgcctc atcggacctg 1500  
 gaatcccccg gcatgctcgc cagatcaaca ccctcaacca cggggagggtg gtgtgcgcgg 1560  
 tgaccatcag caacccacg agacacgtgt acacgggtgg gaagggctgc gtcaaggtct 1620  
 gggacatcag ccacccaggc aataagagtc ctgtctccca gctcgactgt ctgaacaggg 1680  
 ataactacat ccgttctcgc agattgtccc ctgattgtcg caccctaatt gttggagggg 1740  
 aagccagtac tttgtccatt tgggacctgg cggctccaac cccacgcac aaggcagagc 1800  
 tgacatcctc ggcccccgcc tgctatgccc tggccatcag ccccgattcc aaggtctgct 1860  
 tctcatgctg cagcgcaggc aacatcgctg tgtgggatct gcacaaccag accttgggtga 1920  
 ggcaattcca gggccacaca gatggagcca gctgtattga catttctaata gatggcacca 1980  
 agctctggac aggtgggttg gacaacacgg tcaggctctg gggacctgcg cgaggggagg 2040  
 cagctgcagc agcacgactt ttcacctccc cagtcttttc tctgggctac tgccccaact 2100  
 gaagagtggc ttgcagtggg gatggagAAC agcaatgggtg gaagttttgc atgtcaccaa 2160



gccagacaaa	taccaactac	atcttcatga	gagctgtgtg	ctgtcgtctca	agtttgccca	2220
ttgtggcaaa	tggttttgta	agcactggaa	aggacaacct	tctgaatgcc	tgggagaaca	2280
ccttatgggg	gccagtatat	ttccagtcca	aagaatcctc	atcgggtgct	tagctgtgac	2340
atcttccgtg	gacgacaaat	acattgtcac	tggctcttgg	ggataaggag	ggccacagtt	2400
tatgaagtta	tttattaaag	acaaatcttc	atgcagactg	gacttctcct	cctggtagca	2460
ctttgctctg	tcatcctttt	tgttcacccc	catccccgca	tctaaaacca	agga	2514

<210> 6349

<211> 2901

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (113)...(877)

<223> similar to gi2301460 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 6349

aacagcctca	gctcaagcgg	tggctccact	ggaggaaaac	acacccccgt	ctcacattaa	60
agaagccaaa	ctgtcggctt	caaagagaaa	aggcaacatc	ctgtcacagg	ccatgctctg	120
gcaaaaaccc	acagctccgg	agcaagcccc	agccccggcc	cggccatacc	agggcgccg	180
tgtgaaggag	ccagtgaagg	aactgctgag	gaggaagcga	ggccacgcca	gcagtggggc	240
agcacctgca	cctacggcgg	tgggtgctgc	ccatcagccc	ctggcgacct	acaccacagt	300
ccttcctgcc	tggacatgga	aggttctgtg	tctgcagtga	cagaggaggc	tgccctgtgt	360
gccggctggc	tctcccagtc	caccccggcc	accctgcagc	ccctggcccc	atggacacct	420
tacaccgagt	atgtgcccc	tgaagctgtc	agctgccctt	actcagctga	catgtatgtg	480
cagcccgtgt	gccccagcta	cacggtgggt	gggcccctct	cagtgttgac	ctatgcctct	540
ccgccactca	tcaccaatgt	cacgacaaga	agctccgcca	cgcccgcagt	ggggcccccg	600
ctggaggggc	cagagcacca	ggcacccctc	acctatttcc	cgtggcctca	gcccctttcc	660
acactacca	cctccaccct	gcagtaccgg	cctccggccc	cagccctacc	tgggccccag	720
tttgtccagc	tcccacatct	tatcccagag	ccagtccttc	aggacatgga	agaccccaga	780
agagccgcca	gctcgttgac	catcgacaag	ctgcttttgg	aggaagagga	tagcgacgcc	840
tatgcgctta	accacactct	ctctgtggaa	ggcttttagg	cgtggctccc	acctgagtcc	900
tgttccttga	aactgggatt	ttaaaatgag	cctggaattg	agccccaggt	tcatgcttgt	960
ttggagtagt	catttcatga	ctactctttc	tacgcacagc	tagaattgta	gacctgtaaa	1020
ccttccttcc	cttcttccct	cccctccctc	cctcacttcc	tccctctccc	ccatccttcc	1080
attcttcccc	tccctccctt	cttcccttcc	aaccccttcc	ttccttttcc	tccctccctt	1140
ccttccctcc	ttcccttctc	cctttccaac	cccttccctc	cttttccctc	ctcccttccct	1200
tccctccttc	ccttctccct	ttccttcttt	acctccctcc	ctccctcgct	tcttctctct	1260
ttcttacttc	ttttttcaat	tctgttccat	tttgggaggt	aattataggg	atttttagca	1320
taacatttta	tgtcaaatgt	tgccaagtct	tgtgtccatg	ggctttcatt	tctgtcacat	1380
ttcatttctt	ggaaaaggcc	tccttccctc	agtgcctgct	gaaccatctt	agggtcactc	1440
acaccctctg	taattttaag	atgtatgtgg	tggccggcgg	gaagaccagc	cccgacagca	1500
cctcctgaga	aagtcagcca	agggcctacc	ctgatgccag	agtccttgag	ctgtcagttc	1560
ccacagttgc	tcctttgttt	gctcttctca	gcctcggcc	gatttacagt	ccaggcagca	1620
aaatctcaag	gcctggggct	cagagtagta	aggggtggga	agtgggtggc	agggagaaaa	1680
gaacatcagg	gtgggtgggg	acaggccagt	gacgaagaga	gggacagagg	agggatggga	1740
acaggctgtg	catcttagtt	ggagagaggg	gtgtgggagg	aagcttgagt	ttgatgcagg	1800
gaggaggaag	gctgaggaat	gacttggtctc	cagattactt	ggttattaag	aagaacaata	1860

aactaaagga	aagcattgct	tgaagagatg	gttttgctgc	tctccttgag	gatacgtgca	1920
agggaaagttg	ggctgttgta	aacaggggtga	aggggtgtgtt	tggtcggcca	tttctctctc	1980
acctctaggc	cctctgctgg	tgctgtggag	gccaagaccc	cattaagcct	aaaggtgatg	2040
ggctcctcgcc	taggcttagt	gctaccatgt	gggttttggt	tctttccttc	cttccttcct	2100
tccttccttc	cttccttcct	tccttccttc	cttccttcct	tccttccttc	tttccttcct	2160
tccttccttc	cttccttcct	ctctctttct	ttcttttttt	tgggtttttt	tgggacggag	2220
tctcactccg	ttgcccaggc	tggagtacaa	tggtgcgcatc	ttgggtcact	gcacctctgt	2280
ctcccaagtt	caagtgattc	tctgcctga	gcctcccag	tagctgggat	tacaggtgca	2340
tgccaccatg	cctggctaata	ttttgtattt	ttagtagaga	cgggggtttca	ccatgttggc	2400
caggctggtc	tcgaactcct	gaccttgtga	tccgcccgc	tcagcctctc	agagtgtctg	2460
gatcacaggc	gtgagccacc	gcaccagcc	ttttaccatg	tgggtttctt	tagtgtctta	2520
aaagcgtcca	taagccacca	ttctgtggaa	ccaaggcccc	ctccacgcaa	acaccctccc	2580
tcctggggac	ctctggagcc	tcagccagaa	gtaccattaa	gtttaatttt	aatttgtttt	2640
gctgggagaaa	catcaggttt	gtaggagact	gagttgttag	cagggtgtgct	tagctcttga	2700
tagtgaacgt	gtaccttggg	aactggctca	cccacctgct	aatagcacca	tcgtcaccat	2760
taagcagaca	tttcagttgg	tagaatccat	gtagaagtca	tggacttttc	tgggaaatga	2820
cttttctggg	aaatgacagt	ttctttgaca	tattttcttt	gcccacttta	aataaaaact	2880
ctggagaaaag	taaaaaaaaa	a				2901

<210> 6350  
 <211> 2705  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <221> misc\_feature  
 <222> (2351)...(714)  
 <223> similar to gi3688089 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 6350						
cccagtttat	tagaaaaaggt	gtgaacagag	ttgcaccgac	aggagtagcc	ccagccctct	60
gcccaccctc	acccacaccc	atgccactcg	cccccaaagg	gctgtagtgc	ctctcagggc	120
gcagcctcca	gtggcctgga	cagcaggggtc	ccggagtgcc	ggctgctccc	gcccagctc	180
cctgatagat	ttattgcaact	tgagaaaaag	aaagctctga	tcctctgctc	ccatcccccc	240
accctgcccg	gcctgcgctg	tctggggctg	ttctgcgcat	ctcaaccacc	accagcacgc	300
accgcctctc	cggcaccagg	ctgcctgccc	ggccctgtgc	ccggggccac	aggggaccat	360
cccaccacca	cccaggacgc	ctgcctccg	cagggaagc	ctggcccctc	cagaacaggc	420
gcctgatgtc	cttgagagacc	tcctcctcct	cctgctcccc	ctcctcccat	tcacccccag	480
agtcttccag	tgtctgggctc	ataaatagaa	gtgcttgagt	caagcgcgga	gggccactcc	540
ctgtagctcc	tgcacccctt	gtagtgttgc	tgtgggggga	ggggggcccc	agaatggccc	600
ccacccctgg	catcctgggc	ctcaggaagg	ctggggggaa	ggtgagcaga	ttctcatggc	660
tctggcctca	gctcatcgca	gaccgaccgg	aaaaagggaa	ctaaagtgtc	acagtgtctc	720
ctgcccggat	tcctgactgg	cttcacagaag	cagctcctcg	agctccttct	cgttcttggg	780
gcagctcagt	tcgtgctcca	ggccgcagct	gcccccttg	acctcaggcc	ccgggggcgg	840
ctcagggggc	agtgccaggg	cgaactcggg	cttcaggccg	ttgggcagtg	gtggccctga	900
ccgaggcggc	tccgggtggtg	gctgaggctc	agaggaccct	gtgtcccggg	tgtcaatggc	960
ccggaggggg	gtctcgtccc	tctcccttc	ctcttctctc	tcttctctcc	catccgagtc	1020
cgagtctgag	tctgagtcgg	ggctgggtgc	ggggctgggg	gccccgttct	gcacccagc	1080
ggcgggctcg	tcgtcgggct	ggggctcggt	ggcgggtggtc	tcaggcatgg	aggccgacag	1140

```

ctgtggcggc tgctccttct cctccctctc ccgcgccagc accaagttgc gcttgcagcc 1200
gttctggatc tcggccagca gcgccttctg cgtctcgatg aagctcttca ccgcctcttt 1260
cttgggttca cggtcgaggt ccaggcgagc cagtgaagtgg ttacaccttga gggccaacga 1320
cagtgccatg agcccgctg tcttgatctc gttctcccga aggtccagtc tcaggaggcg 1380
ggggctctca gcgatgaact ccgccaccgc caccgcgccc tcgcacgtga gcttggtgga 1440
ggccagcccg aggcgcagca cgctgcggtt gctgatgagc ccgttcttga ggtgccgcac 1500
accctcgttc ccgatggggt tgtggcccag gttcagcgtc tccaggctct gagtgtgcgg 1560
cagtgtcatg cccaggaagg ccatgcctgt gtgcgtgagc tggttgttcc acagcaccca 1620
gggtcaccag ccccttctc tgctccttga ggccctcgca gatgtaggcc agacccgagt 1680
ctagcacgtg gttgttccgg aggtccagga tctgcaggga gcagttgaac ttgagcaggt 1740
taccagctg ggccgagtc tgccagccgt tgagcttgtt gtccgcccag gtacagctcc 1800
cgagggttca tgttcatctt caggggccgt gcgagcagca tgaggggccc ccccgacagg 1860
ctggcggttct ccaagtgcag cactgccagg ctgctgcgga tgcgcagggc acgggccacg 1920
aagggcgccg agtgggtccag caggggcgtg ttgcgggcgt ccagatact gcaggcagct 1980
cgtcttgccg atcatgtggg cggccgcctg ccagccccgg gtgccgatgt gcttgttgaa 2040
ggagatgttg aggtgggtgg ccgactcgta gtactcgatc atgtcgaaga gggccgaggc 2100
accatcttca tccaggtttg tctgctccag gtccacgacc ttgaactgca gcctcttgaa 2160
gacctcttcc agggcctcac aggtcttgta gtcaagcttc tcacctttca ggtccagaca 2220
gtcgaggcgg tgcccgaggt ctgtgaattc ctgcagctgc ctgaggagct tggggatctg 2280
cctgcagttc agcttctggc aggcctgctt gtaggcgccc atgacctcgt ccacggtcac 2340
attctgggca tgtctccagg ggtctttggg ctccactgct ccagacacga tatcctcgtc 2400
ggacgggaat gtgacgcgct tggctgcagc cttgaggcgc ccacggcgcg ggggcgacgc 2460
ggggctggga gacccggcct cagctggggc ctcttcaatg tcgccgtccg cgcccgacac 2520
gggcggcgcc tcctgcggcg cgatctccat agccgccgcc gcctcctcac gggggccccg 2580
gggacatgcc ccgggccccg gatttgtctc tccgggtccg cccgccgtcc cggggcatgg 2640
gctccgccgc cgcttcaggc gccgcctccg tccgctctcc tagtggtcgt agtcgtcgcc 2700
gccgg 2705

```

```

<210> 6351
<211> 403
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (103)...(405)
<223> similar to gi300478 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 6351
caagcccga tttcttaatc tgttacctat ctccgcataa ttcttcataa aaacacaggt 60
gctctccctg ccgatcctgt ccaactgata tctcaaacc caacccttc tacaaaacaa 120
caactccttt ccttccctgg catggttgga tacttttacc tttggatacc tggttttgcc 180
atcctaacia aaccattatg taaactcaca aaagaaaacc tagctgatgc catagatcct 240
aaatcctttt cccactctc tttccgttcc ttgaagacag cattagagaa tgcttccaca 300
ctagctctcc ctgactcatc ccaacccttt ttcatcacac acagccgaag tgcagggctg 360
tgtggtcgaa attcttacac aaggactggg accgctccct gtg 403

```

<210> 6352  
 <211> 1415  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <221> misc\_feature  
 <222> (124)...(472)  
 <223> similar to gi2822179 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 6352

cgcccttgag	cgccctgcaa	gaattcggca	cgagccgtgt	tgtacggcgg	cttctcgcg	60
agctgatgac	ctggaagtga	tgcctaaagc	tgtggaccgc	gtgggctcgc	ctccctggga	120
ctaggtttca	gcggccgctg	cgatgaccaa	aataaaggca	gatcccgacg	ggcccgaggc	180
tcaggcggag	gcgtgttccg	gggagcgcac	ctaccaggag	ctgctggtca	accagaacct	240
catcgcgag	cccctggctt	ctcgccgcct	cacgcggaag	ctctacaaat	gcatcaagaa	300
agcgggtgaag	cagaagcaga	ttcggcgcg	ggtgaaagag	gttcagaaat	ttgtcaacaa	360
aggagaaaaa	gggatcatgg	ttttggcagg	agacacactg	cccattgagg	tatactgcca	420
tctcccagtc	atgtgtgagg	accgaaat	gccctatgtc	tatatcccct	ctaagacgga	480
cctgggtgca	gccgcaggct	ccaagcgccc	cacctgtgtg	ataatggtca	agcccatga	540
ggagtaccag	gaggcttacg	atgagtgcct	ggaggagggtg	cagtccctgc	ccctaccct	600
atgaggggct	ccggtagcac	ctgggcacct	gccgctggaa	gctattgggc	tggcagcagg	660
acgactggct	gtcctcctgc	ccaccacac	tgacggcatc	ttcccagttc	ccaaggcac	720
gccttcttcc	caggcagctc	taacagccct	ttcatgaagg	taatgctagt	cttctgtcca	780
tcagtcccat	ttcctgtaga	actaaaggct	gttccaagaa	tgtggggtgg	ggaaagtaaa	840
tgctaagact	aaaatgtggt	gagtcctgtg	gtgttttctt	aagcagcagc	tgctggttgg	900
gccagcgagt	tgggtggcgg	gaagagtga	gcagtcttcc	tcagcagaga	gcccaggga	960
ctcagagggt	tctgtgctga	tgctcagctg	cccagggtcg	ggtgctttgg	ctcaagctga	1020
gaactgatcc	tgtctctatc	ccagcatttt	caactccctc	ttccagggtg	gatgggggct	1080
gtgaggtaag	gcagggggccc	cagaccact	tcattggaagc	ctaaagcccc	cacatcagga	1140
acacccccat	tcctaactta	accaggagc	cttaaatgcc	actgtgaagc	ttatggaagc	1200
aatttaccca	cccacacagc	acatttttaa	taggaatatg	aagctaaaat	gcattcccc	1260
gagctctctt	gcttaacata	atggccctag	taacccaatc	ccttcaagta	tttttagactt	1320
ggggccctt	cctgctgtca	gaggccagc	acaggactca	gtatacataa	cagccaagtt	1380
caggcacctt	ggaataaact	ggaaatagca	cgaaa			1415

<210> 6353  
 <211> 5868  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <221> misc\_feature  
 <222> (222)...(5433)  
 <223> similar to gi5052123 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

```

<400> 6353
agtccaggat gttgttaatt cagcatgcca atcagagaac ttgctctctg catgtggcac 60
ttcagtggtg tttttgctaa tgcattgtatt caacttttaa tgcctagccc caggatatag 120
tttgaggcca ctttaaatta aatggttgca gatggaatgg gaagttagag taagggtgtag 180
aaaattcatt tcttctcccg accctctctt gcttttctcc taggcttggc actgctgcac 240
caccaaaggc aaacttcatt gaagctgaca agtattttct tccattcgag ctgacttgcc 300
agtccaagtc cccaagggtg gtcagcacat cccttgactg cttgcagaaa ctcatcgcat 360
acgggcacat cactggcaac gccctgaca gtggagcccc tgggaagcgg ctgatcgaca 420
gaattgttga aaccatttgc agttgttttc agggccctca gactgatgaa ggggttcagt 480
tacaataaat taaggctctt ctgactgcag tgacttcccc acacattgaa attcatgagg 540
gtactatcct gcagacagtg agaacatgtt acaatatcta tttggccagc aaaaatctca 600
tcaatcaaac cactgccaaag gctaccctta ctgagatgct gaacgtcatt ttcacccgca 660
tggaatacca agtggtgcag gaggccagag aactggaaaa accaatccag tcaaaacccc 720
agtccctgt gatccaagct gcagcagtat ccccaaagtt cgttcgtttg aagcacagtc 780
aggcacaagg caaaccaaca actcccgaaa aaacagattt aaccaacggt gaacatgcca 840
ggagtgaattc tggaataagta agcacagaaa atggagacgc acccagagaa agaggctcat 900
cactgtcagg gactgatgac ggagcccagg aggtggtgaa ggacatcttg gaagatgtag 960
tcacatctgc cattaaagaa gcagcggaaa agcatggtct gacagaacct gagagagttc 1020
taggtgaact ggagtgccag gaatgtgcta ttccccagg agttgatgaa aactcacaga 1080
ccaacgggat agccgatgac aggcagtcct tgtcgtcagc agataatctg gaatcggatg 1140
cacaaggaca tcaagtggct gccaggttct cccacgttct gcagaaggat gccttccttg 1200
tgttccgctc cctgtgcaag ctgtccatga aacccttggt tgaaggccct ccagacccaa 1260
aatcccatga gctgcgttcc aagggtggtt ccctgcagct gtcctctct gtgttgcaaa 1320
atgctggccc cgtattcagg actcacgaga tggtcatcaa tgcaatcaag caatatctct 1380
gtgtggcctt gtccaaaaac ggcgtctctt cagtgcctga tgcctttgag ctctctcttg 1440
ccatttttct tactcttctt tcaaaactta aaatgcactt gaaaatgcag atagagggtct 1500
ttttcaaaga gattttcctg aacatttttag aaacatcaac aagttctttt gagcacaggt 1560
ggatggatcat tcagactctg acgaggatct gtggagatgc ccagtgtgtt gtggatattt 1620
atgtcaacta cgactgtgat ttaaatgctg ctaacatttt tgagcgcctt gtaaatgatt 1680
tatccaaaat tgctcaggga agaagtggag atgagctggg aatgacacct ctgcaggagc 1740
tcagcctgag gaagaaaggc ctggagtgcc tctgttccat tctcaagtgc atgggtggag 1800
ggagcaaaga cctgtatgtg aatcccaacc accagaccag cctcggtcag gagaggctca 1860
cggatcagga aataggggat gggaaaggcc ttgacatggc aagacggtgt agtgtgacgt 1920
ccatggagtc cacagtgtcc tcgggggaccc agacaactgt tcaggatgac cctgagcaat 1980
ttgagggtcat caagcaaca aaagaaatca ttgaacacgg catcgagctg ttcaacaaga 2040
aaccacaagag gaggatccag tttctccagg agcagggcat gctgggaacg tcagttgaag 2100
acatagccca attcctgcac caggaggagc gcctggattc caccacaagta ggcgattttc 2160
tgggagatag cgcaagggtt aacaaggagg tgatgtatgc ctacgtggac caacttgact 2220
tctgtgaaaa agaatttgtc tcagccctgc ggacattcct agaaggtttc cgcctacctg 2280
gagaagccca aaagattgac cgattaatgg agaagtttgc cgcaagatac atagaatgca 2340
accaagggca aactctgttt gctagtgtct aactgtctta tgccttagcg tattcaatta 2400
ttatgctgac tacagacttg cacagtcctc aggtaaaaaa taaaatgacg aaagagcagt 2460
atattaaaat gaatcggggt atcaatgata gtaaatgact gccagaagag tatctctcaa 2520
gcatctatga agagatagaa ggcaaaaaaa ttgcaatgaa agaaacaaaa gagctaacga 2580
ttgcaaccaa atctactaag cagaatgtag ctagtgaata gcagcggcgg ctgctgtaca 2640
acttagagat ggagcaaatg gctaaaacag ctaaaagctct gatggaggct gtgagccatg 2700
ccaaagcccc gtttaccagt gccactcacc tggacctgt cgggccaatg ttcaaatgg 2760
tgtggacgcc actattggca gcctacagca tgggactcca gaactgtgat gacactgaag 2820
tggcctcctt gtgtttggaa ggcattccgat gtgcaatccg aatcgctctg atctttggaa 2880
tgcagctgga acgagatgcc tatgttcagg ctcttgctcg cttctcccta ctcacagcca 2940
gctccagcat cacaaaaatg aagcagaaaa acatcgacac cattaagacg cttatcacag 3000
tggctcacac cgatggcaac taccttggga attcctggca tgagatcttg aaatgcatca 3060
gccagctgga gctcgctcag ctgataggaa ccggtgtgaa gacgcgctac ctgtctggat 3120
ctgggcgtga aagagaaggg agcctgaagg gccacacatt ggcaggagaa gagttcatgg 3180

```

gacctggcct	cggtaattttg	gtgagtggcg	gagtgaataa	aagacagatg	gccagcttcc	3240
aagaatcggg	tggtagacc	agctcgca	gtgtggtgt	agctgtggag	aggattttta	3300
ctgggtctac	cagactggat	ggaaatgcaa	tagttgactt	tgtccgctgg	ctgtgtgctg	3360
tgtccatgga	tgaactggct	ccccccacc	atcctcgcat	gttcagcttg	cagaagattg	3420
tggagataac	atactacaac	atgaatcgga	tccgactaca	gtggtctcga	atatggcatg	3480
tgattggaga	tcacttcaat	aaggttggct	gcaaccctaa	tgaagatgtg	gctatctttg	3540
ctgttgactc	attaaggcaa	ctctccatga	agtttcttga	gaagggtgaa	ttagccaact	3600
tccgtttcca	gaaagatttt	ctgaggccct	ttgagcatat	tatgaagaaa	aacagggtctc	3660
ccaccatccg	ggacatggcg	atccgctgca	ttgccagat	ggtgaactcc	caggcggcca	3720
acatccgctc	aggctggaag	aacatctttg	ccgtgttcca	ccaggcagcc	tctgatcatg	3780
atgggaacat	tgtggagctg	gccttcaga	ccacttgcca	cattgtcaca	actattttcc	3840
agcaccattt	tcttcgagcc	atcgattcct	ttcaggatgc	tgtgaagtgc	ttatcagagt	3900
tcgctgcaa	cgccgctttt	ccctgacacg	agcatggaag	cgattcggct	catccgcttc	3960
tgttgcaatt	atcttctctg	agaggcctcg	ggtgctacta	gaatacaca	gtgatgacat	4020
gaatgtagct	cctggtgaca	gagctgggtg	ccgagctctg	ttccccatct	tattcgaact	4080
ctcttgcatc	attaatagat	gcaagttaga	tgtacgaaca	aggggactca	cagtcatgtt	4140
tgagatcatg	aagagctatg	gccacacctt	tgaaaagcac	tgggtggcagg	acctgttcag	4200
aatcgtgttt	cggattttttg	acaatatgaa	actccctgag	caactgtcag	agaaatctga	4260
gtggatgaca	acaacctgca	atcacgcact	ttatgtctatt	tgtgatgggt	ttaccaggtt	4320
ttatgaagct	ttgaatgaag	ttcttctttc	tgatgtattt	gcacaattgc	agtgggtgtg	4380
caaacaagat	aatgaacagt	tggcgcgac	aggtacaaat	tgcttagaaa	acttagtaat	4440
atccaatgga	gagaaattca	gtcctgaagt	ctgggatgaa	acctgcaact	gtatgttgga	4500
tattttcaaa	acaacctatcc	cacatgtttt	gctgacatgg	agacctgtag	gaatggagga	4560
agattcatca	gaaaagcatt	tggatgtgga	tctggaccgc	cagtctttaa	gcagcataga	4620
taaaaaatccc	tctgagaggg	gacagagcca	gctctctaac	ccaacagatg	acagctggaa	4680
gggtagacca	tacgcaaadc	agaaactgtt	tgccagcctc	ctcatcaagt	gtgtggtcca	4740
gttgaattg	atacagacca	ttgacaacat	tgtgttctac	cctgcgacga	gcaaaaagga	4800
ggatgcagag	cacatggttg	ccgcccagca	agacacgctg	gatgcagata	tccacataga	4860
gacggagag	cagggcatgt	ataagtcacat	gtcttcccgag	cacctcttca	agctgttgga	4920
ctgtttgcat	gaatcccat	cattctcaaa	ggccttcaac	tccaattacg	agcagcggac	4980
tgtcctgtgg	cgagcaggtt	ttaagggcaa	gtctaaaccc	aatcttctaa	aacaagaaac	5040
cagcagcctg	gcctgttggt	tgaggatcct	gtttcgaaatg	tatgttgatg	agaaccgcag	5100
ggattcctgg	gaagaaatac	agcagagact	tttaactgtt	tgcagtgaag	ctcttgctta	5160
tttcatcact	gtgaattctg	agagccatcg	ggaggcctgg	acaagtctct	tgttggtact	5220
tctaactaaa	accctcaaaa	taaatgatga	aaagttcaaa	gcacatgctt	caatgtacta	5280
cccctacttg	tgtgaaatta	tgcagtttga	cctgatccct	gagctccgag	cagttctgcg	5340
gaagttcttc	ctacggatag	gtgttgtgta	taagatatgg	ataccagaag	agccatcaca	5400
ggtaccagc	agcactgtca	ccagtgtggt	agccctggct	gccaggcca	gtgctgcagc	5460
tctgcagaat	gttcagcatg	ccatttctga	ctggcacatc	tctggaagtt	tcatagaaac	5520
aaggagtgtg	catcttggt	ctcagaatgg	cctggaaaacg	gatggcctct	acgtgtttcc	5580
atcacagtct	ccaactaagg	cttatgggat	ttcattaaac	tgttgcatat	ccagtttagca	5640
cagttagtgg	ggagtctgct	tcatttctat	cattccattt	ttctgattaa	actgtcaaat	5700
ctgtcattgc	atatgcacatc	gttttctagc	aaaatcccat	gattggctat	aaacgttttg	5760
taagaagtca	ctctccttga	aaatactgaa	catagctgta	taggtttgtg	attattagag	5820
aatatgttaa	taaaaacttct	tgtaacggct	aactgccacc	taaaaaaa		5868

```
<210> 6354
<211> 6087
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc feature
```

<222> (85)...(5889)

<223> similar to gi34844 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 6354

gaattccgtg	ggcggaggtc	tgggatctcc	tggctgttgc	tgtcttctgc	tctcatcctg	60
caggtgggac	tctcagctga	caccatgagt	agtgacactg	aaatggaagt	gttcggcata	120
gctgctcctt	tcctccggaa	gtcagaaaag	gagaggatcg	aggctcagaa	ccagcccttt	180
gatgccaaga	cgtattgctt	cgtggtggac	tcaaaggaag	aatatgcca	ggggaaaatc	240
aagagttctc	aggatgggaa	ggctactgtg	gaaactgagg	acaacaggac	cctggtggtc	300
aaaccagagg	atgtgtacgc	catgaacccc	cccaagtctg	acaggatcga	agacatggcc	360
atgctgacgc	acctgaatga	gccagccgtg	ctgtacaacc	tgaaggaccg	ttacacatct	420
tggatgatct	atacctactc	aggcctcttc	tgtgtcactg	tcaaccctta	caagtggctg	480
ccggtgtaca	accccgaggt	ggtggaaggc	taccgaggca	aaaagcgcca	ggaggcccca	540
ccccacatct	tctccatctc	tgacaacgcc	tatcagttca	tgctgactga	tcgtgaaaac	600
cagtccattc	tgatcacggg	agaatccggg	gcaggaaaag	ctgtgaacac	caaacgggtc	660
atccagtact	ttgcaacaat	tgacgtact	ggggacctgg	ccaagaagaa	ggactccaaa	720
atgaagggga	ctctggaaga	tcaaatcatc	agtgcacatc	ccctgctgga	ggcctttggg	780
aacgccaaga	ctgtgaggaa	tgacaactcc	tcccgttttg	gcaagttcat	ccgaatccat	840
tttggaacca	ctgggaagct	ggcctctgca	gatattgaaa	cttatcttct	ggaaaaatca	900
agagtcactt	tccagctgaa	ggctgaaaga	agctaccaca	tcttctacca	gattctttct	960
aacaagaagc	ctgagctcat	agagctgctg	cttattacga	ccaaccctta	cgactacccg	1020
ttcattagcc	agggggagat	cctggtggcc	agcatagatg	atcgagagga	gctgctggct	1080
acagacagcg	ccattgacat	cctgggcttc	accccgagaag	agaaatctgg	gctctacaag	1140
ctgacgggag	ccgtgatgca	ctacgggaac	atgaagttca	agcagaagca	gcgagaggag	1200
caggccgagc	cggatggcac	agaagtggct	gacaaaacag	cctatctgat	gggcctgaac	1260
tcttcggacc	tcctaaaagc	tttgtgcttt	cctagagtga	aagttgggaa	tgagtacgtt	1320
accaaaggct	aaactgtgga	tcaggttcac	catgctgtga	atgctctttc	aaaatcagtt	1380
tatgaaaagt	tgttcttgtg	gatggtcact	cgcattaacc	agcaactgga	tacgaagctt	1440
ccaagacaac	acttcattgg	tgttttgga	attgcaggct	ttgaaatctt	tgagtataac	1500
agcctggagc	agctgtgcat	caacttcacc	aatgagaaac	tgcaacagtt	tttcaaccac	1560
cacatgttcg	tgctggagca	ggaggagtac	aagaaggaag	gcatcgagtg	gacgttcatt	1620
gacttcggga	tggacctggc	tgcttgcac	gagctcatcg	agaagcctat	gggcatcttc	1680
tccatcctgg	aagaggagtg	catgttcccc	aaggcaacag	acacctcctt	caagaacaag	1740
ctgtatgacc	agcatcttgg	aaagtccaac	aacttcagaa	agcccaagg	ggtcaaaggc	1800
agggcagagg	ctcacttctc	actgatccac	tatgcgggca	ccgtggacta	cagtgtctca	1860
ggttggctgg	agaagaacaa	ggaccctctg	aacgagactg	tggttgggct	gtaccagaag	1920
tcttccaaca	ggctcctggc	acacctctat	gccacgtttg	ccacggcgga	tgctgacagt	1980
ggaaagaaga	aagttgccaa	gaagaagggt	tcttccttcc	aaactgtctc	tgcccttttc	2040
agggaaaacc	tgaacaagct	gatgtcaaat	ttaagaacta	ctcaccctca	ttttgtgcgt	2100
tgtataattc	ccaatgaaac	caaaactcca	ggggctatgg	aacacagcct	tgttctgcac	2160
cagctgcggt	gtaacgggtg	cctggagggc	atccgcatct	gcaggaaagg	gttcccaaac	2220
aggattctct	atggagattt	taaacaaaga	taccgagtgc	tgaatgccag	tgcaatcctg	2280
gagggacaat	tcattgacag	caagaaagcc	tgtgaaaagc	ttctggcatc	cattgatatt	2340
gaccacactc	agtacaaatt	tgacataacc	aaggtgttct	tcaaggctgg	cttgctggga	2400
accctggaag	agatgcggga	tgaccgcctg	gccaactaa	tcaccgggac	acaagctgtg	2460
tgacagagg	tcctcatgcg	tgtggaattc	cagaagatgg	tgacagagg	ggagtccatc	2520
ttctgcatcc	agtacaacat	tcgtctattc	atgaacgtca	agcactggcc	ctggatgaaa	2580
ctcttcttca	agatcaagcc	cctcctcaag	agtgcagaga	ctgagaaaga	gatggccacc	2640
atgaaggaag	aattccagaa	aaccaaagat	gaactcgcca	agtcggaggc	aaagaggaag	2700
gagctagagg	aaaaactgg	gactctgggt	caagagaaaa	atgacctgca	gctccaagta	2760
caagctgaaa	gcgaaaattt	gttggtatg	gaggaaagat	gcgatcagct	gatcaaagcc	2820
aaattccagc	tcgaggccaa	gatcaaggag	gtgacagaga	gagctgaaga	tgaggaggag	2880
atcaatgctg	agctgacggc	caagaagagg	aaactggagg	atgaatgctc	agagctcaag	2940

aaagacattg	atgaccttga	gttgaccttg	gccaaaggtt	agaaggagaa	gcatgccaca	3000
gagaacaagg	ttaaaaaacct	tactgaggaa	ctctctgggt	tagatgaaac	aattgcaaag	3060
ttaaccagag	agaagaaggc	cctccaagag	gcgcaccagc	aggccttggg	tgacctccaa	3120
gctgaagaag	acaaagtcaa	ttctttgaac	aaaaccaaga	gcaaactgga	acagcaagtg	3180
gaagacctgg	aaagctccct	agaacaagaa	aagaagctcc	gcgtagacct	ggaaagggaac	3240
aaaaggaaat	tggaaggaga	cttgaagctt	gctcaagagt	ccatattaga	tctggagaat	3300
gacaagcaac	agctggacga	aaggctcaag	aagaaagatt	ttgaatattg	tcaacttcaa	3360
agcaaagtgg	aagatgagca	gacactgggc	ctccagtttc	agaagaaaat	caaagagttg	3420
caggctcgaa	tcgaggagct	ggaagaggag	atagaggcgg	agagggccac	ccgcgcgaag	3480
acagagaaac	agcgcagcga	ctatgcccg	gagctggagg	agctgagcga	gcggtggag	3540
gaggcgggag	gcgtcacctc	cacgcagata	gagctcaaca	agaagcggga	ggcggagttc	3600
ctgaagctgc	gcagggacct	ggaggaggcc	acactgcagc	acgaagccat	ggtggccacg	3660
ctgaggaaga	agcatgcgga	tagtgtggcc	gagcttgggg	agcagattga	caacctgcag	3720
cgggtcaagc	agaagctgga	gaaggagaag	agcgagttca	agctggagat	cgatgacctc	3780
tccagcagca	tggagagtgt	gtcgaaatct	aaggcaaate	tggaaaaaat	ctgccgaacc	3840
ctggaggatc	agttaagtga	ggccaggggc	aagaatgagg	aaattcagag	gagcctgagc	3900
gtgtagacca	cacagaagtc	tcgttgcag	accgaggctg	gtgagctgag	tcgtcagctg	3960
gaagaaaaag	aaagcatagt	atcccaactt	tccaggagca	agcaagcctt	taccagcaa	4020
acagaagagc	tcaagaggca	gctggaggaa	gagaaacaag	ccaagaacgc	cctggcgcac	4080
gccttgagct	cctcccgcca	cgactgtgac	ctgctgcggg	aacagtatga	ggaggagcag	4140
gaaggcaaag	ctgagctgca	gagggcgctg	tccaaggcca	atagtgaggt	tgcccagtg	4200
agaaccaaat	acgagacgga	cgccatccag	cgcacagaag	agctggagga	ggccaagaaa	4260
aaacttgctc	agcgccctca	agattccgag	gaacaggttg	aggcagtgaa	tgctaaatgt	4320
gcttactctg	agaagaccaa	gcagaggctg	caaggagagg	tggaggatct	gatggttgat	4380
gttgaaagag	ccaattcctt	ggccgcgct	ctggacaaga	agcagaggaa	ctttgacaag	4440
gtgttggcag	agtggaagac	aaagtgtgag	gagagccaag	cagagctgga	ggcatccctg	4500
aaggagtccc	gctccttgag	cactgagctc	ttcaaactga	aaaatgccta	cgaggaagcc	4560
ttagatcaac	ttgaaactgt	gaaacgggaa	aataagaggt	tagagcagga	gatagcagat	4620
ctcacagaac	aaattgctga	aatgggcaaa	accatccatg	aactggagaa	atcaagaaa	4680
cagattgagc	tggaaaaggc	tgatatccag	ctggctctcg	aggaagcaga	ggctgctctt	4740
gagcatgaag	aagccaagat	cctccgaatc	cagcttgaat	tgacacaagt	gaaatcagaa	4800
attgatagaa	agatcgccga	gaaggatgaa	gagatcgagc	agctgaagag	gaactaccag	4860
agaacagtgg	aaaccatgca	gagcgccctg	gacgcccagg	tgcggagcag	gaatgaagcc	4920
atccggtcca	agaagaagat	ggagggggac	ctgaatgaaa	tcgagatcca	gctgagccac	4980
gccaaaccgc	aggcgcggga	gaccttcaaa	caactcagga	gtgtccaggg	acagctgaag	5040
gatacgagc	tccacctgga	tgatgccctc	cggggccagg	aggacctgaa	ggagcagctg	5100
gcgattgtgg	agcgagagc	caacctgctg	caggccgagg	tggaggagct	gcgggctact	5160
ctggagcaga	cggagagggc	ccggaactg	gcggaacagg	agctcctgga	ctccaacgag	5220
aggggtgcag	tgctgcatac	ccagaacacc	agcctcatcc	acaccaagaa	gaagctggag	5280
acagacctca	tgagctcca	gagtgaagta	gaagatgcca	gcagggatgc	aaggaaacgt	5340
gaggagaagg	ccaagaaggc	catcacggac	gctgccatga	tggcggagga	gctgaagaag	5400
gagcaggaca	ccagcgccca	ccttgagcgg	atgaagaaga	acctggaaca	gacggtgaag	5460
gacctgcagc	atcgtctgga	tgaggccgag	cagctggcgc	tgaaggggtg	gaagaagcag	5520
atccagaaaac	tggagaccag	gatccgagag	ctggagtttg	aacttgaggg	agagcagaag	5580
agaacacag	agtctgttaa	gggcctgagg	aattattgag	cggaggggtc	aggagctgac	5640
gttcccagag	tgaagaggac	aggaagaatg	tgctgagatt	gcaggatctg	gtggataaac	5700
tgcaagtga	agtcaagtc	tacaagaggc	aggcggagga	ggctgatgaa	caagccaatg	5760
ctcatctcac	caaattccga	aaggctcagc	atgagctgga	ggaggccgag	gaacgtgcgg	5820
atatcgcaga	atctcaagtc	aacaagctcc	gcgctaagac	tcgagacttc	acctccagca	5880
gggtgagtcg	ctgagctggg	aggagccccc	ctccagggac	tgtagaaact	tcttagctgg	5940
aaggaaccctc	agagaaccct	ttactttaga	gctggggagt	ctcaggctca	ggaagagaaa	6000
gtgcttaaag	tcacttagct	gactgtgacc	tcgctagaat	cctggtctgt	gagtcacaat	6060
aaaaaccgccc	atcctgcaca	tgtaccg				6087



<210> 6355  
 <211> 1803  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <221> misc\_feature  
 <222> (1704)...(416)  
 <223> similar to gi3413320 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 6355  
 tttttttttt ttcaagtttg agaaatgtag ttttattaat agaagggcat gtcttaccat 60  
 acacactgtc cccagataaa taaaatccca acatctttga aagcacacaa acacacagtt 120  
 ttacagggtg caatacaaag tgaactttga tgatgttctt acttgcatth actaaaaatc 180  
 tgagaaagac tgtaatcagt ctttaaataa ttatcttgac gtaaagagga aaagtaggag 240  
 gcacaatata tatatatcac aaaccaaadc acactctctg gtaacattta caacaggggg 300  
 atttacttaa tccaaaaatt aaaaggcaaa ctgggctgga gggagggctg gtatcatttt 360  
 ttttctccaa tatttacggc taaatttcta tttttgggca tgaaatttat taaacctttt 420  
 tccattagta gggcaaatgt gctctgcaaa ttctcgatg ggcaccacgg ccaccattac 480  
 atttgcaaat gtatccaaca gccttctggg cagtagaaca ggcatcagca ggagcgccac 540  
 ttaggccac tctcttcaag cactcttcat cagacacttc atttccaaga tatgccactt 600  
 ctttccagca caggcccat tcttttctcc attcatctac aactgctagc ttgtctgata 660  
 cactgacttc cattttgcaa tccagtttta aagaagacag cgtctgcttt gaacaggccc 720  
 tttctgagat tagcctcacc tcaataccac ttttctttta taaacttatc ccaatagcat 780  
 cttttacatc ataagatatt atttcttttt ggtctcctga tacataaatg tggccattgg 840  
 tgagacatcc atcaatattg caaaccaaaa gttttatttc cttaagcttc tctttgccaa 900  
 aatagccata tcttaataact ctttgctctg caataggcca atcaatatcc acatctatat 960  
 ccacactatg ttcagctcgc atttcgtagt atgccatttt tccaccctgc aagtaacca 1020  
 tctctatcaa atgtctttta gcaaaataaa atgagccatt tcatataat tctccatccc 1080  
 agtcttgctg acgaggccgt ttagctggat tttaaattcag aggttcggtc acttcacgaa 1140  
 ctcccttctg aatttcactc catcgaaact gatggcgtct cacaacagag aaaacagaat 1200  
 catatccttc ttctcgaatc atttctgcaa ctttttgaaag atcagtagga tgtaaacadg 1260  
 gagaagtagc ttgaatatth cctacaatgt caacctcatt atgataatta agaaattcta 1320  
 tgatggcatc tagtgaggta gagctgtctt ttgaaacttc agaacttctt cgatgaactt 1380  
 gtgcaccaaa ttgtttggcc acattctcaa ttcatcatg gtctgtcgaa acccatacac 1440  
 tctggaaggc ccctgaatcc agggccgcac gcaggaccca gccaatgagc gggacccccg 1500  
 ccagggtgctt aatgttcttc aggggggatgc ctttgctgcc tccccggggc agaattaggg 1560  
 ctgccagggtg cgggggcttc tccacacctc ggccctggcc gccgcgagag ttgcgctgca 1620  
 gcttcggcgg ccggccccgg gacggtcgcc ccgcggggtt ggagacggag gtggcgggcc 1680  
 ccttctccac cgagtccatc ttctctccac gccttctccc cagcttctcc acatccggga 1740  
 gctagtcctt caccacctca gctcggcgcc gccctctgtg ccaagcttgg cgtgtcgata 1800  
 ttc 1803

<210> 6356  
 <211> 1447  
 <212> DNA  
 <213> Homo sapiens

```

<220>
<221> misc_feature
<222> (1)...(1448)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (81)...(686)
<223> similar to gi435425 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 6356
ccggcgcccc acagcaagcc cgagccgggg gcgcaccagc ctctggcagc ccgcgcccc 60
cgccgcgatt gacatgatgt ttcccacaaa gcaggcattc gggctcctcg cacctgagcc 120
cagcaactca aattcaccac ctcggaactcc tgcgaccgca ttcaaagacg aatttcagct 180
actgcgagct ccagtaccac agccctccag ctcgaaatgtg acaagttggc cagtgagaag 240
tcagagatgc agcgtcacat atgtgatcgt actacgagat ggtcctacgg cttgaacatc 300
caggattgca caaacaggct gagatcgtca aagggttgac cgggtatttg gtgccagct 360
cctgccctac ctttcccaag gagcaccagc agcagggtttt tgggggccat tgagagggcc 420
aagcagggtca ccgctccctg agctgaacgt ctatcatcct gacagcagct ccaagcccca 480
ccagctgtcc cagcttgcat gccctggggc ctgcccttg accccattac ccgctggggc 540
tgcaagtcgc cttcgtgnc cggcngttca gcgcaggcac cggcctcctc tcgctgtccg 600
agctgggttc ccaggcccac ctctccaagg aagacaagaa cgggcacgat ggtgacaccc 660
accagggagg atgatggcg agaagttcgg atttagcagg gggccgggac agggagggtg 720
ggagggggga cagaggggag acagaggcac ggagagaaag gaatgtttag cacaagacac 780
agcggagctc gggattggct aaactcccat agtatattat gtggccgccg gcggggggccc 840
cagcccagct tgcaggccac ctctagcttt cttcctaccc cattcccggc ttccctcctc 900
ctcccctgca gcttggttag gtggatacct gccctgacat gtgaggcaag ctaaggcctg 960
gaggggtcaga tgggagacca ggtcccaagg gagcaagacc tcgcgaagcg cagcagcccc 1020
ggcccttccc ccgttttgaa catgtgtaac cgacagtctg cctggggccac agccctctca 1080
ccctggtact gcatgcacgc aatgctagct gccctttcc cgtcctgggc accccgagtc 1140
tccccgacc ccgggtccca ggtatgctcc cacctccacc tgccccactc accacctctg 1200
ctagttccag acacctccac gccacctgg tcctctccca tcgcccacaa aagggggggc 1260
acgagggacg agcttagctg agctgggagg agcagggtga ggggtgggcga ccaggatc 1320
cccctcccct tcccaaataa agatgagggt actaaagttg tcttggtttt taattttatt 1380
attatTTTTT tctttttcca gtatactagc ttgtcttttt aaggaaaggg ggatattaaa 1440
aaaaaaa 1447

```

```

<210> 6357
<211> 1010
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(1011)
<223> n = a,t,c or g

```

```

<220>
<221> misc_feature

```

<222> (743)...(39)  
 <223> similar to gil575505 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 6357

ttttttgttc	cccttctaca	taaaaacctc	agtcacccac	tcctgagtgg	agatgggcag	60
aggctctggc	ccctgctcct	ctggcttctc	agcagcgtgc	tttcttattg	ctgcagcaag	120
gcttgaagag	atgtgtgtca	atgaggactt	ccccaaaacg	gcctttatag	atcgatccca	180
caacatatct	tctgtctttt	ccagtaagtg	gagatctaaa	aagggaaaaa	ctgggtgggt	240
ccggttagaa	ccngagaagc	ccacccctgt	atctgagccc	gtccatctga	actggttaac	300
tgtaaacaag	ggggattgag	ctgggggagg	cactttgagg	tggtactgtg	agcatcagaa	360
ttatgaccgt	ttaaattcct	tctgcagttt	actgatctgg	gtgcctttta	atcctgttcc	420
cagataagag	ttttcacttt	ctttggtttc	aatgtagtct	ttagaactgg	gtccagccct	480
tgcactctacc	acatgattcc	agtttttttt	ttgatcctgc	tggcaacttc	ttccatcttt	540
tcaaaaagca	ggacaccagg	cattgccaga	tgtctcctga	aacgagtctc	atgcaatcca	600
aaacagctct	tgggaagtcct	ttttcatagc	gtttactgtc	agtgaatcgg	agaactggag	660
gacttagctc	ctgaaatacc	agcacccttc	tatacttcgg	tacatctttg	gcttgtgaaa	720
accaaacatc	tttttctttc	tgggcaatag	taggcctggg	ctgaagtctt	aggtcaaatt	780
agctgtccac	tcagatgttg	tcaacttctc	gtcctgggtt	caggggttga	aggctgtttg	840
gtgaatcaga	gacagggatc	tttgggtggg	gtcatgggtc	attcaggaag	ttgtgccttc	900
caaaagcaag	ccgttccacg	cgcaataatg	tccccgaggt	gcggagtgca	cgccaggcca	960
gtccccctca	agcgctccct	cctcatcgac	tgccttgtct	agaaagatag		1010

<210> 6358

<211> 3579

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (482)...(3103)

<223> similar to gi5757884 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 6358

gcaagatggc	ggcggcgtgg	cgctgagagg	cgcggcggcc	cctgcaggta	gtggcgcgag	60
ccggctccgc	gaccagcggg	cccggagact	ctgggctgcg	ggtgggaact	ggagcgcaga	120
gtccgcggcc	ggcacgggaa	aggagaagac	agactgctgc	tttggacctg	ttggtaataga	180
tggcctgagc	taaacatcta	actagaaggg	atacccttcc	atttcaaaga	acagaatgct	240
aagggaagctg	tggcaagtga	ttggagttgt	gcttcaaaaa	tttcagaaat	tcagcagtat	300
tttatctgcc	aacaataagc	tctttacttg	attgcaccat	gagaaagctg	ctaatagagac	360
ttgttgagca	caaaaatgga	cttgaagaac	caaaagccat	tgttttcaaa	tgaagaacac	420
tgaacagttt	taagcctcga	tgttttttaa	tcaccactga	gcttttcctc	ataacatcag	480
aatggcaagc	aggcgaaaat	caacaacacc	ttgcatggtc	cttgccagtg	aacaagatcc	540
agaccttgag	ttgatatcag	atttggatga	aggctcctct	gtgcttacac	ctgtagaaaa	600
caccagagca	gagagtatct	caagtgatga	agaggttcat	gaatctgtgg	attcagacaa	660
tcagcaaaat	aaaaaagttg	aaggtggata	tgaatgtaaa	tattgtactt	ttcaaactcc	720

agatctaaat	atgtttactt	ttcatgtgga	ttcggaaacat	cccaatgtag	tgctaaattc	780
atcctatggt	tgtgtcgaat	gcaattttct	taccaaagg	tatgatgcac	tttctgagca	840
taatctgaaa	tatcaccag	gagaagagaa	ttttaagttg	actatggtga	aacgtaataa	900
ccagacaatc	tttgaacaaa	caataaatga	tctgactttt	gatggtagtt	ttgttaaaga	960
ggagaatgca	gagcaagcag	aatctacaga	agtttcttct	tcgggaatat	ctatcagtaa	1020
aactcctatc	atgaaaatga	tgaaaaataa	agtggaaaat	aaacggattg	cagttcatca	1080
taactcagtt	gaggacggtc	ctgaagagaa	agagaatgaa	atcaaaccag	accgtgaaga	1140
aattgtagaa	aatccaagtt	cttcagcttc	tgaatctaata	acaagtactt	ccattgtaaa	1200
cagaatacat	ccaagtactg	ccagcacggt	agtgcacca	gcagcagttc	ttcctggatt	1260
ggcacagggtg	ataactgctg	tatctgctca	gcagaattct	aatttgattc	ccaaagtctt	1320
aatccctggt	aatagcattc	ccacctacaa	tgctgcattg	gataacaatc	cccttttact	1380
taacacctac	aacaagttcc	cttaccacac	aatgtcagaa	attacagttc	tttctgctca	1440
agcaaaatat	acagaggaac	agatcaagat	atggttttca	gccaacggt	taaaacatgg	1500
tgtagttgg	actcccagg	aagtagagga	ggcaagaagg	aaacaattca	atggaacagt	1560
gcatactgta	cctcagacca	taactgttat	tcttacacac	atttccacag	ggagtaattg	1620
tttaccatct	attttacaga	catgccaaat	agttggtcag	cctggtctgg	tccttactca	1680
agtggctgga	acaaacacct	tgccagttac	agcacctata	gccttgacag	tggcaggcgt	1740
tccaagtcaa	aataatatac	agaaaagtca	ggtacctgct	gctcagccta	ctgcagaaac	1800
aaagccagca	acagcagcag	ttccaacttc	tcaaagtgtc	aaacatgaaa	ctgcattggt	1860
aaaccctgat	tcatttggtc	ttcgggcaaa	aaagacaaaa	gagcaactgg	cagaattaaa	1920
agttagctac	cttaaaaaatc	agtttcccca	tgattcagaa	attatcagac	ttatgaaaat	1980
aacaggcctg	acgaaaggag	agattaaaaa	atggtttagt	gacacaagg	acaaccagag	2040
aaattcaaag	agtaatcagt	gcttacatct	caacaatgat	tcctctacca	ccattattat	2100
agactccagt	gatgaaacca	cggaatcccc	aactggtgg	actgcacagc	ctaagcaatc	2160
ctggaatcct	tttcttgact	ttactcccca	aaagtttaaa	gagaaaactg	cagagcagct	2220
tcgtgtcctt	caggcaagtt	ttctcaacag	ctctgtactt	acagatgaag	aattaaatag	2280
gttaagggca	caaaccacaa	ttaccagaag	agaaatcgat	gcttggttta	cagagaagaa	2340
gaaatcaaaa	gctttaaagg	aagagaaaaa	ggaaatagat	gaaagtaatg	caggtagttc	2400
caaagaagaa	gctggagaaa	cttctcctgc	agatgaatct	ggtgcaccta	agtcaggag	2460
tacaggcaag	atatgtaaaa	aaacacctga	gcagctgcac	atgcttaaga	gtgcatttgt	2520
ccggacacag	tggccatcac	cagaagagta	tgacaagttg	gccaaagaaa	gcgggcttgc	2580
tagaacagac	atagttagtt	ggtttgggga	caccggttat	gcttggaaga	atggaaactt	2640
gaaatggtac	tactactatc	agagcgccaa	ttcaagtagt	atgaatgggtc	tgtcttccct	2700
taggaaaaga	gggagaggga	gacccaaagg	acggggaaga	ggaagaccgc	gtgggcggcc	2760
tagaggaagc	aaaagaatta	acaactggga	cagggggacca	tcactcataa	aatttataaac	2820
tggaaactgca	atacttaagg	attattacct	gaagcacaa	tttcttaatg	agcaagacct	2880
tgatgaactt	gttaacaaat	cacatatggg	ctatgagcag	gtcagagagt	ggtttgcaga	2940
aagacagaga	agatcagaat	taggtataga	attatttgag	gaaaatgagg	aggaagatga	3000
agttattgat	gaccaggaag	aggatgaaga	agaaacagat	gatagtga	cttgggggaa	3060
ctccaccgac	atgtgaaacg	gaagctgtct	aaatcagatg	actgaaatct	gcctaaaacg	3120
ttgaaggaga	atcaattctt	caactcaaga	tgtctgattt	actgtgaatt	tgcccaatct	3180
ttgatgacat	tgaaaacggt	ttggggcata	cacactcaaa	aagcaggatc	caatacccaa	3240
aagaaatgga	acttaatgtt	gtgccaaaag	taaactactg	cagttggtgg	aagttctgca	3300
atgtaaatag	aacactaatt	aaaaaacaac	ttgtaaaaat	gcaattttaa	ttttaataca	3360
gtacatTTTT	cttctaatat	gatggagaca	ttctgaatct	tagactttct	gaggggggtt	3420
aatgaccact	agagcttgct	ctcatattca	gtccagttta	atactgtatg	tctagtaaga	3480
tgggctatat	attgcctcta	ttctttgaga	tgtgattaag	cttagaactt	tgacccaaaa	3540
ttttacagta	aaaattgtta	aaaatgggta	aaaaaaaaa			3579

<210> 6359  
 <211> 2061  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (175)...(1845)  
 <223> similar to gi5813799 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 6359

tttcgtgccg	gtccagagct	gtgggggtggc	ctccgcgcgg	tctctggcgg	agtcgggggaa	60
tcggatcaag	gcgagaggat	ccggcaggga	aggagcttcg	gggccggggg	ttgggccgca	120
cattttacgtg	cgcgaagcgg	agtggaccgg	gagctgggtga	cgatggcggg	gccgcagccc	180
ctggcgctgc	aactggaaca	gttggtgaac	ccgcgaccaa	gcgaggcggg	ccctgaagcg	240
gaccccgagg	aagccactgc	tgccagggtg	attgacaggt	ttgatgaagg	ggaagatggg	300
gaaggtgatt	tcctagtagt	gggtagcatt	agaaaaactgg	catcagcctc	cctcttggtg	360
acggacaaaa	ggtattgcgg	caaaaccacc	tctagaaaag	catggaatga	agaccattgg	420
gagcagactc	tccaggatcg	tctgatgagg	aaatatctga	tgagggaagg	tctggagatg	480
aagattcaga	gggactgggt	ctggagggaat	atgatgagga	cgacctgggt	gctgctgagg	540
aacaggagtg	tgggtgatcac	agggagagca	agaagagcag	aagccactct	gcaaaaaacac	600
cgggcttcag	tgtccagagt	atcagtgact	ttgagaaatt	taccaaggga	atggatgacc	660
ttgggagcag	tgaggaggag	gaagacgaag	agagtggcat	ggaagaagg	gatgacgcgg	720
aagactccca	aggcgagagt	gaggaagaca	gggctggaga	tagaaacagt	gaggatgatg	780
gtgtggtgat	gaccttctct	agtgtcaaa	tttctgagga	agtggagaaa	ggaagagccg	840
tgaagaacca	gatagcactg	tgggaccagc	tcttggaagg	aaggatcaaa	ctacaaaaag	900
ctctgttgac	caccaaccag	cttcctcaac	cagatgtttt	cccattgttc	aaggacaaa	960
gtggcccaga	attttccagt	gccctgaaaa	atagtcacaa	ggcacttaaa	gcattgttga	1020
ggtcattggt	aggtcttcag	gaagagttgc	ttttccagta	cccagacact	agatatctag	1080
tagatgggac	aaagcccaat	gcgggaagtg	aggagatttc	tagtgaagat	gatgagctgg	1140
tagaagagaa	gaagcagcaa	cgaagaagg	tccctgcaaa	gaggaagctg	gagatggagg	1200
actatcccag	cttcatggca	aagcgctttg	ccgactttac	agtctacagg	aaccgcacac	1260
ttcagaaatg	gcacgataag	accaaactgg	cttctggaaa	actggggaag	ggttttggtg	1320
cctttgaacg	ctcaatcttg	actcagatcg	accatattct	gatggacaaa	gagagattac	1380
ttcgaaggac	acagaccaag	cgctctgtct	atcgagttct	tggcaaacct	gagccagcag	1440
ctcagcctgt	cccagagagt	ttgccagggg	aaccggagat	ccttcctcaa	gcccctgcta	1500
atgctcatct	gaaggacttg	gatgaagaaa	tctttgatga	tgatgacttt	taccaccagc	1560
tccttcgaga	actcatagaa	cggaagacca	gctccttgga	tccaacgat	caggtggcca	1620
tggaaggcca	gtggcttgca	atccagaagt	tacgaagcaa	aatccacaaa	aaagtagata	1680
ggaaagccag	caaaggcagg	aaacttcggt	ttcatgtcct	tagcaagcta	ctgagtttca	1740
tggcacctat	tgaccatact	acaatgaatg	atgatgccag	gacagaactg	taccgctctc	1800
tttttggtgca	gctccaccct	cccgcgaag	gccacgggga	ttgacatcgc	ccacctccga	1860
caccagtggt	gcgccttggc	tggtgcggct	gctgggtccag	atggaggaaa	ccagtgactt	1920
tatggggctg	agctagtagg	gaagcccctg	gaaagatgct	gcgttccgaa	cctgtgccta	1980
atacacgcaa	gggcgtgtc	ccgcccaccc	ccgcctttaa	acgccacaaa	taaagagcat	2040
tgttaccgcc	caaaaaaaaa	a				2061

<210> 6360  
 <211> 1860  
 <212> DNA  
 <213> Homo sapiens

<220>

<221> misc\_feature  
 <222> (181)...(1575)  
 <223> similar to gi3098311 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 6360

tttcgtggcg	gtgcactgcg	ccgccaccgt	caataggtgg	acccccctccc	ggagataaaa	60
ccgcgggcgc	cggcgccgcc	agtccctctg	gctgagacct	cggctccgga	atcactgcag	120
ccccctcgc	cctgagccag	agcaccocgg	gtcccgccag	cccctcacac	tcccagcaaa	180
atgggcaagg	agaagaccca	catcaacatc	gtggtcatcg	gccacgtgga	ctccggaaaag	240
tccaccacca	cgggccacct	catctacaaa	tgcggaggta	ttgacaaaag	gaccattgag	300
aagttcgaga	aggaggcggc	tgagatgggg	aagggatcct	tcaagtatgc	ctgggtgctg	360
gacaagctga	aggcgagcg	tgagcgcggc	atcaccatcg	acatctccct	ctggaagttc	420
gagaccacca	agtactacat	caccatcatc	gatgcccccg	gccaccgcga	cttcatcaag	480
aacatgatca	cgggtacatc	ccaggcggaac	tgcgcagtgc	tgatcgtggc	ggcgggctgtg	540
ggcgagtctg	aggcgggcat	ctccaagaat	gggcagacgc	gggagcatgc	cctgctggcc	600
tacacgctgg	gtgtgaagca	gctcatcgtg	ggcgtgaaca	aaatggactc	cacagagcca	660
gcctacagcg	agaagcgcta	cgacgagatc	gtcaagggaag	tcagcgcccta	catcaagaag	720
atcggctaca	acccggccac	cgtgcccttt	gtgcccctct	ccggctggca	cggcgacaac	780
atgctggagc	cctcccccaa	catgccgtgg	ttcaagggct	ggaaggtgga	gcgtaaggag	840
ggcaacgcaa	gcggcgtgtc	cctgctggag	gccctggaca	ccatcctgcc	ccccacgcgc	900
cccacggaca	agccccctgcg	cctgccgctg	caggacggtg	tacaagattt	ggcggcattg	960
gcacggtgcc	cgtgggcccgg	gtggagaccg	gcatcctgcg	gccgggcatg	gtggtgacct	1020
ttgcgccagt	gaacatcacc	actgaggtga	agtcagtggg	gatgcaccac	gaggctctga	1080
gcgaagctct	gccccggcgac	aacgtcggct	tcaatgtgaa	gaacgtgtcg	gtgaaggaca	1140
tccggcgggg	caacgtgtgt	ggggacagca	agtctgaccc	gccgcaggag	gctgctcagt	1200
tcacctccca	ggtcatcatc	ctgaaccacc	cggggcagat	tagcgccggc	tactccccgg	1260
tcacgcactg	ccacacagcc	cacatcgctt	gcaagtttgc	ggagctgaag	gagaagattg	1320
accggcgctc	tggcaagaag	ctggaggaca	accccaagtc	cccgaagtct	ggagacgcgg	1380
ccatcgtgga	gatggtgccc	ggaaagccca	tgtgtgtgga	gagcttctcc	cagtaccgcg	1440
ctctcggccg	cttcgccgtg	cgcgacatga	ggcagacggt	ggccgtaggc	gtcatcaaga	1500
acgtggaaaa	gaagagcggc	ggcgccggca	aggtcaccaa	gtcggcgag	aaggcgagga	1560
aggcgggcaa	gtgaagcgcg	ggcgcccgcg	gcgcgcaccc	tccccggcgg	cgccgcgctc	1620
cgaaccccg	cccggccccc	gcaccgcccc	cgcggcgcg	gccgctccgg	cgccccgcac	1680
ccccgccagg	cgcattgtctg	cacctccgct	ttccagaggg	cctcggtcag	cgactggatg	1740
ctcgccatca	aggtccagtg	gaagttcttc	aagaggaaaag	gcgcccccg	cccaggcttc	1800
cgcgcccagc	gctcgccacg	ctcagtgtcc	gttttaccaa	taaactgagc	gacccccaaa	1860

<210> 6361  
 <211> 975  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (124)...(645)  
 <223> similar to gi829623 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters



tgaactgggg	aacttttagca	ccaaaatcaa	gtctctccta	gtccatctag	cttccccttc	1080
ctccccactt	aaaaaaaaga	aaaaattaaa	atcacaaagt	cccgaacttaa	gtcaaaaatct	1140
tcgtccgctt	tttcagcctt	ccttcctgca	gacctacaca	aaccaggga	agattagtca	1200
acaggggttc	agatcgggaa	gaaaaagggt	ttgaatgtca	agacagggtt	ccccaaaaac	1260
ccctggtctg	ggcaacaact	cttccaagg	gcaggggtgg	gggggggtgg	ggggctggta	1320
caggttgagg	aggtgccacc	ggggaagacg	gggaggagga	ataagtgtgc	gggagacttg	1380
aaatgagggg	aggtgcagtt	gtgtcgccag	tggagggggc	tgctggttcc	gggtctccac	1440
cccgccatgg	gcagaggctc	cggggaggcc	cacgggtgcc	ctctggcgct	gaagaaggta	1500
atgtagtcac	agtgacaaag	ttagattaca	aggcactaag	ttgcttctgt	aaactgttaa	1560
ctgctttttc	ctcttgtgaa	tttggcactt	aaagccttaa	gcccggaaaa	aaaaaggcat	1620
ctactgacaa	aatatgggac	ttgtctgtta	tgccatggta	agtgggctat	aaaatcccag	1680
ggaggggggt	tcaagccgac	aagaagctac	tgacaaattg	acttgtcctt	atgttaggtg	1740
gggttatgag	ggggagaggg	agggcacatt	ctgaggtgct	gggggaaagg	ggttgagcct	1800
taaccttggt	aatgtagggc	ctgtggggaa	tgggatgggt	agggagaaga	gggtatgggg	1860
atgtgggggtg	cagggtaggg	gtctggagta	ggcaggaggt	ccctccctac	cctggcttag	1920
tcacttgaga	tggaaagtct	gctgaagatg	ggcaggcgct	ttgagttgtc	caaggtcggg	1980
gagtctgagc	cactgtggct	gctgctggag	ctgctcaggt	agccctcctg	gtccgagaga	2040
gaatcctgag	ggctgggggg	agagtcaaac	atgtgagggg	actcggacat	gggccggaag	2100
aggaaggtgg	tcggggagcc	acccccgggc	agcccatgct	taggggcaaa	gaggcttgcc	2160
agctcctggc	tggagaaggc	aaaaggggtt	attggtgcca	tcgggcaggg	taggtgagcc	2220
caggaggtca	tcggcgctca	gaataggggg	tggggtgatg	gacgtggggc	tgtccagcag	2280
ccggttgcca	gcggcggtgg	cagcggcact	gggaaaccca	gcaaagctaa	agctatgctg	2340
gaggcgggga	cggtcagcgg	agaggtcccg	ggccccggcc	agggcacggc	gctcttcagc	2400
gttgtggatg	aagtggcagc	ggggcccgtg	ggggcaaaag	ccgatggtgt	ggaagggtgcg	2460
gcacagctcc	gtcttgctact	tggggtggcg	ggtcaggctg	cggagctcgt	ggatgccgtg	2520
tgcgaaactg	cacttgctcc	cgtacttaca	ggcaccgttt	tcctcaaagg	ggcggcacag	2580
ctccggtctt	gtagcggctg	gagttgacct	ggccgcccc	gggctgtctc	tgggtgggca	2640
gcagcgcctc	gcccccttcc	gagaaggagc	ggtctcggaa	gcggtgtctc	cgcgagctca	2700
gagcgggggc	tggctcacc	ttgaggctgc	tgaggagctg	ttcttggcgg	aacttggagc	2760
tgggcagggt	gactgagtg	ctccgaggga	agccccacc	agcagggggtg	cccactggct	2820
ttctgggcaa	caggtaaccc	cctgcactgg	gagcactata	gttgagcatc	ttgttaccct	2880
ggagagagaa	gagaaggatg	gtaaggacag	aggacatcca	ccaggatgtc	cactatgggc	2940
agccccctac	acaatcacaa	acgcccgcctc	tttctcaaag	aactcatctc	tacctcggct	3000
ctagcaagct	cccttccctc	tctccctccc	ataggccatt	cacctgggtt	tattttggcc	3060
ccatgcgtaa	gaaaccacaa	gatccaaact	gtgtgacaag	cacctgtctc	catgctgact	3120
cctgcaatgc	aacccccatg	tcctctgtcc	caaagctac	cactttaaag	ttcaactttt	3180
ttactagtca	aatagattct	tcaactcaaa	atatctcaca	caaccagac	ctctctagat	3240
taccgcaccc	gccccgccac	cgccccgcgac	aaaaacaggt	aaacctcaga	aaggagtcta	3300
tcataggcac	gttaggtccc	cttccaatca	gtctctgctt	aattgatacc	ccctccttca	3360
agacctggcc	taagactctc	aacttccctc	ttcagaagtg	ttcccttcc	ttggcaacag	3420
gttttcagac	tgcctttgtc	ttttctttgt	gggaggagat	tgggggcctg	gtctgaggtt	3480
gggggagaca	gggagtgtgat	tcttgaaaat	aaaactcttt	gccctaagct	cccggaagag	3540
atattttcta	caataatctc	tctcaccatt	tccactcagc	ctagaccac	ccgccccct	3600
tcactgagaa	gatgcctttg	caattagtct	tttggctgca	agagcaagct	tggataagag	3660
ctccagtggt	taatctttaa	cgca				3684

```
<210> 6363
<211> 3624
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc feature
```



<222> (1)...(3625)  
 <223> n = a,t,c or g  
  
 <220>  
 <221> misc\_feature  
 <222> (3180)...(2728)  
 <223> similar to gil439654 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 6363

ttttatttttg	gaattcagat	ttttattttt	tggctcttag	gaagtagtca	gcaaatactg	60
tataatccct	agtagggaac	catgtcataa	aatatattga	catttctgca	acaaagaatc	120
acactaaaag	gaacacatca	taattaccca	tagcttccta	tcagtgttaag	ttcagggtcag	180
gtttggtttc	aaatgggtta	tgaataact	tttgggtttc	agagcattgg	gactttggaa	240
atgaggacct	ggatcatcct	ttattaggga	gaaatagccc	caggagccac	gtctcagcaa	300
ttccatggaa	acacaggttt	ctttgccttc	aaaattccgt	tcctaccttc	tttgtcttcc	360
ttccccaaa	gaaactggac	aaaaaaggtc	agaactgtat	ttgttattca	tacatttgcg	420
ttgatttaaa	tacattacgt	acaatttcta	cattggatta	gaagaacgac	acagggggca	480
gcaacactct	cgcagcccag	cctccattcc	ctgacactgg	aggcagggcc	tatggctggc	540
agaggggacg	tggtccatga	gtgccaccca	gaagcctccc	ccggcattct	gggcccctgg	600
ctcttccaga	gtccacattc	aaggcaacct	gagcacaggc	ttgagggaga	gtggagaaaag	660
gccaggaaaag	gatgccca	ctcttgccctg	ccaggcccag	gaccagctct	ctcctacact	720
ggacccaatt	tccttctgat	cacagagctg	gtctggatca	agacaatgtg	gagatctggt	780
gtggaggctg	tggccagggtg	aggcagccgg	gctccctgtt	agacccccag	gctctcttga	840
gcaccagatg	ggcactttac	caacaggttt	gggtaaaaat	gtctacagag	agctatgcac	900
acctgggtcc	ccttctggct	cctacagtca	aggggcaagt	gttctctcga	acattgttcc	960
caaggccagt	gtccgagtca	gctgcatgtg	attgtcgggg	ctgggattgg	ggcaggcagg	1020
cgagctgtac	cttcgtccac	agggcatgca	catccagctc	tcagaaattc	ttcctgtcag	1080
ccagggtggaa	gcccgggaca	agtggactct	tggtggctgg	actggaaggg	gaccggcggg	1140
gaccagcctg	gaccagctga	ccagagggct	gcacatctct	gctctgcagc	cgggcaagca	1200
gaggacatgc	agccatagtc	ctcactccct	ttctttggtt	gtttttcaaa	ccttcaagat	1260
agttactttc	tgaggttgac	tgaccaatcg	caaggtgcc	gaattgtgaa	atgtccagta	1320
gcacagggca	tgaacacagc	tgcccctcca	gacacagatg	gcaccctttt	tactccctcc	1380
tgaggccgta	ctttgctttg	gtgtagaaat	ggctcaaaca	cctggcaagt	gggggtgggg	1440
agtgaggcag	caggggaaaa	gacacatgga	agcaagaaga	tacgcactga	gctgcgcagg	1500
acctgggaca	gtttgaaggc	ctctctcctt	tgggcctcac	ctttctcagg	gaagccatag	1560
agaaatcggc	ctaggacaag	tcagagagaa	aagggaact	gccacttatg	aggcagaatc	1620
cacgtcctgt	tacttccacc	aagcagcagc	ggtagcacag	aaaaaagtcc	aagaacctaa	1680
tagcctgtcc	tcttggaagc	caagactcat	cccagagccc	ttgcagagac	ccactcccga	1740
agacaaactg	aactcttaca	tcaaaagagt	tggggggaaa	aaatttaaaa	cgagaggaac	1800
aaatgagaag	attgggacca	aggactcagg	aagcaagggtg	ggatatgttc	acccatagac	1860
cacttagctc	ccggcataca	ctccggctgc	gtggatcact	tttacatgct	gggagtcaac	1920
ttcctattaa	aataaaatg	ctaagactag	ctcttcctgc	ctctgcttga	gaaacagaca	1980
agctgtaggc	cagcagagag	cagagaggtt	ctctatgatt	gtgtgcggaa	gtgctggcgg	2040
gggtaaagca	aaaacctccc	ttccaggaga	actgtttcga	ggcttgcagc	cagcccacag	2100
cactgatggg	agatgggaga	ggcttggcaa	aaacccaaaa	gaaagggtgtg	gcttctgtct	2160
gtcccagtg	tgtggtactg	cgagtcaccc	agttgccttc	tgacaccacc	ttggctcatg	2220
ggaggaagca	actgcaaggc	agctgaatgt	caggctctatg	caaatttagg	cctggattaa	2280
aggtttctga	catgagatga	cccgggggttc	tgctacaagc	atttaaagtt	gtttttgttt	2340
tgtttggttt	tctgatgcag	aataataatg	ggaattgcaa	tagagcaggg	tttcagggaa	2400
ggaagggact	gtcccagcct	gctaccagca	gatgctggaa	gggagatgtt	ccttcccagg	2460
catctggact	acgtgcatgg	agctccagcc	tccccacat	cagaaggcg	aggagcactc	2520
actgttcctg	attgtgcttc	tccctgtggg	tggaaagctc	tgagcagggt	ggcaagcaga	2580
gagagagggc	tcttaaaggt	gctgctctcc	accggcttct	ctggcttttc	ctgcaccca	2640

ctccccaggc	ttcctccac	cagtctctga	caatatattcc	tctgcctgcc	tctggagcta	2700
ccaccatgaa	aagaagggct	tccggctctg	aaagctctgt	gtgtaggact	cgctagaaga	2760
ccgctgggtg	gaacggggccg	tctcgacaat	cacaggtggc	atctggacga	ggtgcagggg	2820
actcttggtg	tctttcaagg	cctgggtcag	atttaagatc	tgggccccgc	atgacagcaa	2880
tctgcttatg	gaactggccc	ctgtcgaaac	caggatcttt	cttgaagagt	tcatataggt	2940
cctcttccaa	gtccttgacg	aagttagggg	ccgatatctt	tgggaaggatc	agatctttga	3000
tctcctgaga	aaatgggact	ttcgccctggg	gcaaccaggc	ccagtaaaaa	ggatatgccc	3060
tccaggagtc	aggatgcttc	agtgggaagg	ccagccatt	gtctatggca	gccaccttga	3120
taacaggctc	cttcaccacc	acccagtctg	tgtcccagaga	gctagaacta	tccattggac	3180
agtcataatt	aatcagccag	ttgtcattgc	ctcgatcagt	gttgccgatg	atgtaatcca	3240
gcaccaacan	ccgctcaaac	tggagcagta	gttgccggtt	agtgttctca	ggaagagggt	3300
ctgcttcaaa	acgccgcagc	caatagtctg	catctttgta	gccttcaaca	aagagctgga	3360
atgaaccaac	ctttggtggt	agccctatgc	ggttaaaccg	ctgtccaact	tttgacactt	3420
tctgtagtgc	aagccgcttg	cccctggact	tcactcggtc	aatggcgcta	tagttgaagg	3480
tctcgctggc	caggatatag	acctttgtac	gggaaacaat	gttgagttcc	agttattggt	3540
ccaccaggct	ggccccctgct	tctgagagat	agccccggtt	aaggncagg	cacaaaactc	3600
tcaagcagca	agcggacgcg	tggg				3624

<210> 6364  
 <211> 1956  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <221> misc\_feature  
 <222> (430)...(1504)  
 <223> similar to gi5262472 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 6364						
tttcgtaatt	cagtcctttc	actgcaacca	aagagggtac	aaactcatag	aataatttag	60
gcttttaaga	agcccttaaa	atgtttaatg	atgcctgtat	taaagtgttt	ttaaggacgt	120
gagttttgtc	caatgtaata	ttcaaccgtt	ttgggagggg	gggattctgt	actttacaga	180
taattgaaag	atccgccatg	atcgtttaag	cattgcgttc	ttggtgttct	ataaactccc	240
atgtagaatc	tgtttttttc	ccatagggtg	tgcattttctg	gctctcaaat	agtcccagca	300
gcaactctcag	cctctgccct	gccaggccct	gatgacacag	gggttgctga	cctaacggca	360
cgttcatccc	tggagaaga	ggtttaccat	gtggatgtaa	agattgagga	gtatttcgct	420
tttgacagaa	aagaggatga	tgatgaatgt	cttgaacaaa	aaccagctca	gcccggtagg	480
aaatggcgcg	aactcggact	tcctcctggt	tccccgcgtg	actgtgtcaa	agatgccgtg	540
gcagcagaag	tgtttgatca	cgtctggaca	aatatggtag	aacttttgga	agagctgatt	600
agaaaacact	gggaaactac	actcacagaa	gggaaaaaac	agagagaaac	attgaaagtg	660
gctggaaaca	gatttcgcga	cgtcctcggt	ccacgcgtc	acgccgatgg	agccagtggc	720
cccccgctcg	gacacgccga	ggctcacggc	atctccctgg	cttctcgtct	gaacctgcc	780
cagattcatc	acttctccag	cagtttttat	agtgacatga	atggtgtcat	gacaattcaa	840
gcaaaaccgc	ttcagcggag	acctgcctat	tttgctgaca	gaacgcagaa	tgagaaggag	900
gacaaagcat	cgggtggagg	ggcagggtgt	ctctcctccg	caccgcacag	actgggacgg	960
gcctcagaca	ctcatggatt	atcaccttct	gcaaagaaaa	caccagtgcc	ctggaggctg	1020
ccttctcttg	cttcagattc	acagagacta	aaaactccca	acatctatag	tgacgaagtt	1080
cttcggggaa	caaaactgcc	gactggcggtg	gaccacatgg	cttccccact	ggttcaaacg	1140
tcacggagca	ggttcccccc	gctagtcacg	gagaccaggg	ggcagaatac	agcagttcct	1200

ggatgccgcc	ttgtttctta	cagaggaagg	catctacaaa	accgtgtgtt	gagtgccatg	1260
cctgacggta	cagaacgatc	gcgtcttcga	gaaagaacag	ccaccctgga	acggttgtca	1320
aggcccagca	caacccacac	gttccggcag	tcggatacgc	ctcgaaaaag	ttcattgaca	1380
caaatggaat	ttgctgctca	cacatggaca	ggtaaagta	ttttgacagg	ttcacaatat	1440
gtgcctaaat	gcttttcaga	ggacaactct	tgactttcaa	gaggagattc	ccaagtgaca	1500
tcttgaaacc	acccctccca	gaaccattgg	agcacctgtg	gcctcggcac	actgcttatc	1560
acttgaaaaa	tggaggaaca	agtgttatat	ttatctgtgt	gtctgacagt	gtgagatggt	1620
agaccgagag	aaaagcaaac	aaataaatca	cttaatcttg	aacactttgc	actgtaaaga	1680
gagtgaaagt	caaaccacac	aagctgcctt	gctgaaagca	tctccaagggt	tctgtaggct	1740
ttgttcagaa	gcccctgatg	tgtgtttgca	gtccgtcatt	ttatcaatga	tacgcaaaca	1800
taattagcat	gtgtatgtac	tcacacacta	attacatgta	agaatatatt	atctaggaat	1860
atgtcatttg	taactttgta	ctctgacgta	ttttctagtc	tcaccctatt	agtaattctg	1920
tcaaaatcct	agacgctagt	aaatattagt	atttga			1956

<210> 6365  
 <211> 2547  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <221> misc feature  
 <222> (2270)...(381)  
 <223> similar to gi4379097 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 6365	
tttttttttt	ttgtgagaaa gctctttact gggggtacag cgaggaggag caaggccatc 60
tccccctacc	tgccccacc cctcctagg gtcctggggt gagggggggt cttccctcca 120
ccggaccacc	actgtctttg gtacaataaa tagaaaaaaa ggggggagagg ggcccaaggg 180
tccagtcctt	agtggggagg gaggcgccaa aaccctctcc ttgaccccc tgccccaggc 240
cccaatcagt	gcaggcctca cccacccag ctgggtagca gcaattccag tcaaggagag 300
agatgaggat	gggagcccag ggccccaga tgggggaggg tatggcttca ggaggggccc 360
cagggagggg	gcagggtcac gagctggctg ctgtgctctg gggtagacca cggaggccca 420
ggtgaggccc	cagagtggca gggatcatcag gaggcgggag gggtagacga cctccagtca 480
tccgagtcct	gagggctgag gcagccgggt gctggggggc aggcgctggg tgaggtgggg 540
agcagtcagc	agggccgccc accaggetca catccatcag ctccgggggt ggtggtgagg 600
ttggtgatgg	gggacgacca aggtatcggg gctggggggg taactgggcc ccggtcccag 660
gcagtacga	ggcagaggca ggggcttgat gtgtcttgtg gggcacatca cccctgccc 720
agggccgcag	cggctgggag ggtgggacct gggggtgtt catctcacag tctgtgatag 780
ggggcccagg	gccccacaa tateggttgc tgtagcggtg ggtccggttg tcaactggagg 840
agccactgga	gcctccagaa ctggagatgg agctggcggt gctggaagag gggcaggtgt 900
cgaggggcgc	gggcgaggtg gaggcactgc tgcctgccc gcccgtgttg gtggcctcgt 960
cggccgtgcg	gcggaagaag ccgtgctgca gagccccag ggggctgatg cgggcggcgg 1020
gctcactctc	cagcatgcgc agcaccagggt cctggaagcg gaggtagtcg gcggggctgt 1080
ggcccggctc	ccccgcccgc cggccccggg gcccgccggt ctgcacgccc agcacctcct 1140
gcagccgccc	tgtcccgggg ccctggtaaat ccttctctgag ttctttctgtc cttcgtaggg 1200
tccagccacc	cccaggcagc cgttcaaagt acttgcgagc cttgggcgcc tgggtccagca 1260
tggcgccggg	tgggatgccc agcacctcca caatgcgggt catctgggtcg acctcattgg 1320
agccactgaa	gaggggctct ccggtgtgca tctccacaag gatgcagccc agggaccaca 1380
tgtcaatggc	caggtcgtag ggtgtgcccc ggagcacctc aggtgagcgg tagaagcggc 1440

tctggatata	ctggtagatc	ctctggccaa	gctggcagga	gctgccgaag	tccacaatct	1500
tgatggcggt	gcgcttgagg	ttgcacagca	agatgttttc	gggcttgagg	tcgcagtgaa	1560
tgatgctgag	ctcaggcggt	gccagaaaga	gcagtgccgt	gcagagctgc	tcgccagct	1620
tccgggtcag	gttcagcgag	acgccgcgga	agtgggtgtt	gcgcaggagg	tcgtacaggt	1680
tgtaggacag	cagctcaa	accaagcaca	agtgggttcc	ggaacatgaa	gtgccgcttc	1740
aggtgtacta	tatagtactt	catctccgtg	tcatgctggt	tcatcagctc	cagcagccgc	1800
agctcaatct	gggcctgggt	caggaaaagcc	tttttgttct	tgatgatctt	gatggccaca	1860
agctcctggg	tctgatgatc	ataggctttc	accacctggc	caaaggagcc	tttgccaatg	1920
agcgagtcaa	tttcgtagcg	ctccagccag	cgctcgccac	tgccgacgat	gtagtcatgg	1980
ttgtcgtcat	cataaccatg	gttcaggacc	ttcttctcct	tcttgttgct	cgaatcctgg	2040
ggtggcgctt	gctgggccc	ccgcttcttc	ttcgcatagt	atacctcatt	gatgtgcttg	2100
taggtcttga	tgagggtccac	agagagctta	cgcagcgggg	ctgaggttgc	atcccgggaag	2160
gccaggggca	gcctccgagg	cagtagccgc	acatcaggca	atacctgcgt	gtgctcctgg	2220
ggccctggga	agccagagaa	gggaccatgg	cccggtgagg	cgccatgggt	gggctcagag	2280
ggccgcaggg	gagcgaggcc	tgagcgggga	gcccggccgg	ggggcgctt	cttgcacctt	2340
gcacctcggc	tgccaccgcc	gctgagacct	gaaggagcgg	gcaaggggac	tcaaaactgt	2400
cggggagccc	gagctcagac	ctgcccactg	gctgagggtg	tccggcgggc	gcggcaagcc	2460
agggccccga	ttaccagta	atgcaaccag	caaaatggcg	accacaacaa	accggccccc	2520
ccacgccctg	gactccgccc	ccatccc				2547

<210> 6366  
 <211> 4423  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <221> misc\_feature  
 <222> (72)...(3218)  
 <223> similar to gi5499741 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 6366						
gccgagagcg	ggtggctgag	ccgggacctc	gcgtgattct	cggaacccga	ggagaagcgg	60
cgtccggggc	tatggctgtg	actctggaca	aagacgctta	ttatcggcga	gtgaagagac	120
tgtagcagca	ttggcgga	ggagaagatg	agtatgccaa	cgttgatgcc	attgttgtat	180
cagtgggtgt	tgatgaagaa	attgtttatg	ccaaatcaac	tgctttacag	acatggctct	240
ttggttatga	actaactgat	actatcatgg	tcttttgtga	tgacaaaatc	atctttatgg	300
ccagcaagaa	aaaagtggag	ttcttgaaac	agattgccaa	cactaagggc	aatgagaatg	360
ctaattggagc	ccctgccatc	acactgctaa	tacgagaaaa	gaatgaaagt	aataagagta	420
gctttgacaa	aatgactgaa	gccattaaag	aaagcaagaa	tggaagaag	attggagtgt	480
tcagcaaaaga	caaattccct	ggagagttca	tgaagagctg	gaatgactgc	ctcaacaaag	540
aaggctttga	caaaatagat	atcagtgtag	ttgtggcata	taccatcgct	gtaaaggagg	600
atggggagct	caacctaatg	aagaaagcag	ccagcatcac	ttctgaagtc	ttcaacaaat	660
tcttcaagga	aagagtcatg	gaaatagttg	atgcagatga	gaaagtctga	cacagcaaac	720
tggttgagtc	tgtggaaaag	gccattgaag	agaaaaaata	ccttgctggg	gcagaccctt	780
ctactgtgga	aatgtgttac	cctcctatca	ttcagagtgg	tggaactat	aatctcaagt	840
tcagtgtggt	gagtgcaga	aatcatatgc	actttggggc	tatcacttgt	gccatgggta	900
ttcgcttcaa	gtcttactgc	tccaaccttg	ttcgactttt	gatggttgat	ccttctcaag	960
aagtccaaga	aaattataac	tttttgctcc	agcttcaaga	ggagctgctg	aaggaattaa	1020
gacatggtgt	gaagatatgt	gacgtgtata	acgctgtcat	ggacgtgggt	aaaaagcaga	1080

agccagaact	gctgaacaaa	attaccaaaa	acctagggtt	tgggatggga	attgaattcc	1140
cgtgaaggct	ccctagtaat	caatagcaaa	aatcaataca	aacttgaaga	aaggaatggt	1200
tttcagcatc	aatttaggat	tctccagacc	tgactaacia	ggaggggaaa	aagccagaag	1260
agaaaaccta	tgccctgttt	cattggtgac	acagtgcctg	tggatgagga	tggcccagct	1320
actgttctca	cttctgtgag	aaagaaaagt	aagaatgtgg	ggatgttcct	aaagaatgaa	1380
gatgagggaag	aagaggagga	ggagaaaagat	gaggcagagg	accttttggg	aagaggttct	1440
cgggcagcat	tacttacaga	aagaacaaga	aatgaaatga	ctgcagaaga	gaagcgaaga	1500
gcacatcaga	aagaactagc	ggctcaaactc	aatgaagaag	caaagaggcg	attgactgaa	1560
caaaaggagg	aacagcagat	tcagaaaagct	cgcaagtcta	atgtgtccta	taaaaaccca	1620
tctctgatgc	ctaaggaacc	gcatattcgg	gaaatgaaga	tctacatcga	taagaaatat	1680
gagactgtaa	taatgcccgt	gtttggcatt	gcaacaccgt	ttcacattgc	cacaatcaag	1740
aatataagta	tgtccgtgga	aggagattat	acttacttgc	gaatcaactt	ttattgcccc	1800
ggcagtgtc	tgggcaggaa	tgaaggcaac	atctttccta	accctgaagc	gacttttgtc	1860
aaggaaatta	cataccgagc	atcaaataatt	aaggcaccgc	gagaacagac	agtaccagcc	1920
ttgaaccttc	agaatgcttt	ccgaattatt	aaagaagtac	agaaacgtta	taaaactcga	1980
gaagctgaag	agaaagagaa	ggagggcatt	gtaaaacaag	actcactggg	gatcaatcta	2040
aaccggagta	atccgaaaact	gaaagatcta	tacattcgcc	caaataattgc	ccaaaagagg	2100
atgcaaggct	cactggaggc	ccatgtcaat	ggcttccgct	tcacatctgt	tcgaggagac	2160
aaagtggata	ttttgtacaa	taataattaag	catgctttgt	tccagccctg	tgatggagaa	2220
atgattattg	tcttgcaact	tcacctcaag	aatgccatca	tgtttgggaa	gaagcggcac	2280
acggatgtgc	agttctacac	agaagtggga	gagataacca	cggacttggg	gaaacatcag	2340
catatgcatg	accgagatga	cctctatgct	gagcagatgg	aacgagaaat	gaggcacaaa	2400
ctgaaaacag	cctttaaaaa	tttcattgag	aaagtagagg	ctctaactaa	ggagggaactg	2460
gaattttgaag	tgcctttttag	ggacttggga	tttaacggag	ctccctatag	gagtacctgc	2520
ctccttcagc	ccactagtag	tgcgctggta	aatgctacgg	aatggccacc	ttttgtgggtg	2580
acattggatg	aggtagagct	gatccacttt	gagcgggtcc	agtttcacct	gaagaacttt	2640
gatatggtaa	tcgtctacaa	ggactacagc	aagaaaagtga	ccatgatcaa	cgccattcct	2700
gtagcctctc	ttgaccccat	caaggaatgg	ttgaattcct	gcgacctgaa	atacacagaa	2760
ggagtacagt	ccctcaactg	gactaaaatc	atgaagacca	ttgttgatga	ccctgagggc	2820
ttcttcgaac	aaggtggctg	gtctttcctg	gagcctgagg	gtgaggggag	tgatgctgaa	2880
gaaggggagt	cagagtctga	aattgaagat	gagactttta	atccttcaga	agatgactat	2940
gaagagggaag	aggaggacag	tgatgaagat	tattcatcag	aagcagaaga	gtcagactat	3000
tctaaggagt	cattgggtag	tgaagaagag	agtggaaaag	attgggatga	actggaggaa	3060
gaagcccga	aagcggaccg	agaaagtcgt	tacgagggaag	aagaagaaca	aagtcgaagt	3120
atgagccgga	agagggaagg	atctgtgcac	agttcggggc	gtggctctaa	ccgtgggtcc	3180
agacacagct	ctgcaccccc	caagaaaaag	aggaagtaac	ttctgaactt	tggccctgag	3240
ctccattctt	cctccagcca	accctgaaa	attttacatg	acatagaaac	tgtatttttc	3300
ctttcgtttt	catttgaagt	tttgccattt	gtgtttatgg	gttttagggg	ccatttgtgt	3360
ggaccaatct	actcggggaa	ttccaggccc	accaggacac	gtgccaatgg	ccccattcag	3420
atggcaaggg	aggaggtgtt	cttgaagaca	ggaggaggct	cccgtgttta	ataaatattg	3480
gttcattctt	ctctcttcct	gtcaccttct	gccaagacat	tgatggcttc	tgacatctta	3540
tttgggtgtc	caaagctgta	tttccaagac	agtgggtacaa	ggtgaccctt	aattacccgt	3600
atcatggttc	ttgaccagca	cattcaatcc	tccaacctac	cctactgcca	tgaccttccg	3660
cacatctcta	agttttatct	ttgcaatact	caaggttctc	ggaaatttgc	taatggttgt	3720
gataaaccat	acagcttgag	ccagtgaggc	agattgggct	ggtgccttcg	tctgagtttt	3780
cctgctttcc	tgccctcgtg	agattctgag	gtatatctgc	tgcccttgaa	gacataagaa	3840
gcagtgatac	tccctggctc	ggttattttc	tccatacaat	gcacacatgg	tacaatgata	3900
gaaggcaaaa	ttgccactgt	cttctttttt	tctcatata	tctaagggaag	atatatcagg	3960
ttgtgcctca	tgtaccgctt	ctagtgaat	gtagagggaag	gctcaaagga	gtcaacattt	4020
agatctggaa	gggacaagtc	atgccttggg	cctagaatac	cctgatgaga	aaagagaaga	4080
ggaaggagg	ccatatctac	aacacagcct	ctcggcactg	ctgctcctta	ttttaacttt	4140
gtcttgcat	gtcctgtatt	tatcacagtt	tctgttgaac	agcttttcaa	gtatttgggg	4200
agtttatctt	gccatcctcc	ccttctggtt	ctctgcaccc	acctgtccca	ctgcagttcc	4260
ttccgtgctc	tgtgacttta	agagaagaag	gggggagggg	tcccgatttt	tatgtttgtt	4320
tgttttttct	ccttagcagt	aggacttgat	attttcaatt	ttggaagaac	taaaagatga	4380
ataaactggg	ttttttttgt	tgtttgtttt	tgtaaaaaaa	aaa		4423

```

<210> 6367
<211> 1316
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1030)...(289)
<223> similar to gi471981 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 6367
ccttttttat atatatatcg tatttataac tggttacacg ttggattcat aattagggcat    60
caccagtagt agttggcaca gttttgttat ttaagctcag ggtcaagttc tgtttcattt    120
tgtcgttcca aagtacaaaa agaaaaaaaa aaatcaaagg catttcatct ccatggtggt    180
ttcttaaata cagtaatgtc ataggaaaca gtatgtacag atgagcagtg cctcctgacc    240
cctcctctgt ctcttgagga taggggctgg ggtccgatgg agacgggtca atgcggcctg    300
ctgctggact ccgatgcctg cctcttgctg gaaggggtgt agccggttgag acagccattg    360
gtctgccggt ttggaggggc ctccattcag gatgtccctg gatgtgctgc acgatgaggt    420
tgatgggcac ccggattatc tgcactctct agggatgatc acatcagcat acttcctttg    480
gtggcaagca gaattcctca aagggcaggc ttgacgaaac gtaatgtact tgaggataaa    540
atctgctcaa gatccctgcc tctctcgctg atgtccttta atactctgcg tgagagccgg    600
gtgtccgcat ctgtatccac aaaaagcttc atctggaaca ggtctcgta ctttcttggg    660
agtagaaggc caggatccct tcaaagagca ccacgtctgc gggatagaca gtaactgtct    720
cctccttccg ggaatgggag acaaagtcac acacggggat ctggactggt tcccttcag    780
tgattttctt gagtgttttg agaatgagtt cattgtcaaa ggcatccggg tgggtcaaagt    840
tgaactggcc cttcagggct ttggccttct gctccgaggt aaggacacgg tagaagctat    900
cctggctcag gatgaccacc tgcttctggc gatagtccac ctcatctctgc cccaggagct    960
gcacgatctt agcacacacg gaagacttgc cgctagctgt tccccgctg acgcctataa   1020
ggaagggctc gccgcggttg ggctgctggt ggttctgcag ggtctgctcg ctgtccccgg   1080
ccatggttcg gccgcccctc ctcccgtgct ctgtgcgaac ggacgcacgc tccccgcccg   1140
cgcccgcgtc ggactccctc cgctttccgc agccgacgct aggcgctgcc ggggctgacg   1200
gacgtgtccg tcgcctgcga gccgctcgga gcccggtgac ggggctgggt ttcccgaagg   1260
agccaagagc cttccttctg cccgcagcgg ctggtccggt ttacatccca ggcaga      1316

```

```

<210> 6368
<211> 1470
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(1471)
<223> n = a,t,c or g

```

```

<220>

```

<221> misc\_feature  
 <222> (1361)...(426)  
 <223> similar to gi5911924 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 6368

tttttgtacg	attttaaatct	acagagtaaa	ttatttttata	tacattggaa	ccagttaatg	60
cccttagaca	atgtatagtt	gtttcataaa	gcaggacaga	caatgcagag	ggaaacaggt	120
gccccaaagc	acagtcacag	aggcttcaga	aggtctagat	accactaca	atcaatgctg	180
gagatcactt	ctaaaacaat	caacgttcaa	gaggaatgct	ttaatgtgga	gaaaatacca	240
cgccctccgt	cccaccccc	aacctcccc	acttttttat	aaccttttca	attcactatc	300
aaaagtccgt	gctcttcaga	tatactttta	actataaata	aacactgcat	agttctcttt	360
tgtttgtttt	gttttttgtt	ttttgaaaa	ttattgcagt	acaattactc	ctatttgtaa	420
tttagtaagg	agcaaacagc	acaggagtgt	gggagggtccg	aatgggtcca	ggagctggcc	480
gcaggagtgc	cggaggaagc	gcagaagtct	ggaacagtgt	tgctgctgga	gcagttcgaa	540
gactgaagg	ggaactcact	gccactgctg	ctgcggctgc	tcagctgct	agaggatttg	600
gtagaattcg	tggagccaat	ggctttgaag	gttcttttga	aaataactaat	tttaccacca	660
gtggatgtgc	tgtcttctgt	agtttgttgt	aaggactgta	tttaggtttc	gggggcttcc	720
cagcagctct	gtctttgtgc	cttctactgc	taatgtgctg	tttaagttgc	gtttccgagt	780
tgacgtgcac	atcacagatt	tcacagtga	atgttttatt	ttggaggcct	gtgtttcctt	840
tattaacagg	tcctttgcct	ttcactcctg	ccctaggaaa	ggctttgata	gtgccacttc	900
cattccgggc	ttctaacatg	gttttgtgct	tagtaccact	gttggtgcgc	tccagctgcg	960
aggcagagtt	gacagcaacc	ttgcatagcg	aacagtaaaa	gaagccgttt	tgccttttct	1020
tcctcgggtc	cagtagaagg	acatgagcta	ttgccagtgg	ctgtcgttgg	gcttttttcc	1080
acttttagagg	tgatctcagt	tgtcataaca	ctgcttttgc	ggatttccac	agttgtcgtc	1140
gttgatattg	ctggtgtccc	tgcaagtaccg	tctgttttgt	cagagctggt	attgatggta	1200
ttggtagtga	tggaggtgaa	ggtagtcttt	gcgctgtcct	tggcagttac	agatttctgc	1260
ttatttttca	tggcttccag	tgctttgagc	ttcttggcat	gtttcgtgcc	ttttagtggt	1320
gccgcagcct	ggctatcaga	attaaatctc	aactggcaaa	tgttgcatga	tatgatttgc	1380
tttcttcggt	ggggaagagg	aaccccgaa	gtatggtttc	tcgtgccgaa	ttcctgcagc	1440
gcggacgatt	ntcaaanngn	gnnggcccca				1470

<210> 6369  
 <211> 4176  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (3891)...(1000)  
 <223> similar to gi4240295 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 6369

aaggtaagta	taattttctg	cttttattga	aaatttatat	atgactcagt	attgtaataa	60
ataaacataa	ccattttcac	aaaaaatgac	agtgctatgc	taaagaagaa	aatattaaat	120
gggggattta	ctttagtggt	caagacagac	tttttatcaa	tacagaataa	atattaacag	180

catttcgtga	gccaatgggt	gagacccaac	aaaatgtagg	gaatcaagca	tgatgtaaga	240
aataattttc	cagagaaaaa	aggatgggtg	attctcggat	gataagactg	tctttgtaaa	300
ctggggcata	tcaattagtc	ccatcctcac	agctcacctt	caaaccacag	ggcttgtttc	360
tggtatggt	aaaaggaccc	tctctgagg	aaaagcagag	gagaggaact	cccattatcc	420
ttacagtga	acgcaaccac	tgagaaaaa	ctcccactgg	gtaaatagaa	cacagtttaa	480
taagtagatt	ggatatgata	taactataaa	atttaggtaa	cagagtaagt	gttacatgtg	540
gcaggaccgg	aaaaaaatca	tgacatTTTT	cttatcccc	tgtaccctc	ccactgtcat	600
tatgctatta	ccaacaacaa	caagaataat	gtttcaaat	ttcctctcat	caaaaaatga	660
gagaaaaata	cgagggaagt	gtttttgttc	tttttcgaac	agtttcttga	acacctccaa	720
taccaatcac	tcacaagggt	tctgtgcaaa	tctatttcac	aggatttcaa	ggaaattggt	780
aactcacaaa	aaaatcctta	aatgaagcta	ttttggagtt	ctgtatatta	tttggaagg	840
agggaggaaa	agggtgggtg	tggtaaagta	gaggtaaagt	agtacaatcc	agccaaacaa	900
aatgttaaaa	gttttaaatc	aacaatgagt	ctgacttttt	ctggtttggg	aagcaagact	960
ctaaaaatgtt	gggagagatt	ctttctgata	tgatggctac	tgaagaacac	atttctcctc	1020
tttcttggcc	atcttgccct	tgttttgttc	cagagtgcgc	tcctaatgct	catcttcttc	1080
ttcgccctgc	ttctcctgcg	cgtccaggtc	cctgacgagc	gcacgcgcgt	tggtcaccag	1140
ggccaccagc	tcatctagca	gaagctgttc	gcgtcgcttc	tgggccctcg	tcttctgcca	1200
gtcttcaatg	gctagcattg	ccctcaattc	ccggttcagc	agctcatacc	gtcgttctaa	1260
atcatgttct	ttttccagaa	gagagagctg	attcattctc	cttattaagg	catttttctt	1320
attaactaac	ataaaccatt	cctgcatcat	agcttcttct	tcttctgtgt	tccttctctg	1380
gtccatgaga	tagcgaaggc	gcttctccac	cagcgcggca	cggtgttcaa	tttgcttttg	1440
ctcattctct	agtgtgcca	attctcctac	tacatactga	ctgggagtct	ttgaaccctt	1500
tattaagcac	ttcatcttct	gatggcttcc	tctgagtttc	agttatcgct	gccttctcct	1560
catttccctt	ctttgtatct	tctgtatttg	atctctgcct	tttcatctct	ggtctattct	1620
caatatattg	gctgaaagac	tgaagttgag	ttttctgac	tgtagaatct	tgctgaaca	1680
caacaggatt	tctaaaacgt	tctgtttgtt	tttgtaatcg	ttcagtccgg	agatcttctg	1740
tgccactttt	catgtcctgc	tctgagctct	cagttacagc	tttctgggca	gcactggagg	1800
gtgaatttgc	cacctgtggc	tgaacttcta	ggagcttctt	cagcttcaag	tccaccaact	1860
tactgttttg	ttcgggagta	tcaaggctcat	tttctaagtt	agtaagttca	tctccacctc	1920
ctacaacaaa	gccttcaggg	atctcctcgt	tagtatctat	ctcaatatta	tcattttcat	1980
ctccagatgc	ctttgacctt	tctttcaact	tttctgcagc	cctttcacca	tagctgggaa	2040
gttctgacat	cttccctcca	gatcgagctt	ctgctattag	ctgacgagct	ctctctctca	2100
gctgccgacg	tcgctcttca	tcttgctgat	ccttagctgc	cctgttgagc	aatggggcgg	2160
ctgtgttggt	attgtgctta	ttccccgcct	ttaaggctgc	atctcttctt	gcttgctcaa	2220
gcagaactct	tgctctttcc	ttaagttctt	cttgtctaga	taacaatcga	tgctggacta	2280
tttttgatga	atgatctgca	tgattttaaag	tggttctatc	agcatctgga	tcagactccg	2340
tctgcctcag	ggaagcatgt	tttttcttag	caaggctctag	atctctacta	tatgagtatc	2400
caagtttaga	agtaggagat	aaacttgttt	ttttgatagg	agattctgga	tctgatctgc	2460
attctaagga	tctggaattc	tctaattttt	ctttctccaa	gttactaccg	atgtctagag	2520
tttgaagctt	ttgttcatct	gtctcctcac	aaataaaggg	tgagagacata	tccttcttct	2580
tatcactaac	atataagtca	ctcaattcta	aagtctcagc	tttcaatagt	ctctttttgc	2640
ctaacaaaac	ctgtgcttgg	gttgaatctg	tattggaaca	tattccaggg	tcatcagatc	2700
ctgaagtcct	tccagagctc	tgctgagact	tctgggggtc	tgtgtcactt	ttagtcctgc	2760
gacagtaagg	ggaggtctgt	cttggtactaa	ggtgatcatc	aggagtttga	tgctcacttt	2820
ctgactctcc	aaccccgcta	tcatttacaa	atacagagtc	atcctgtgat	aagaagtcta	2880
ctgctccgct	gataggctgt	tgtagttcag	gctcccgctt	cagatcacta	agctctgcat	2940
agaatttttc	ttgatcaaca	gaactgtttg	tatctgtttc	atagtttcca	acttttatatg	3000
tgcttttact	gctgttttcc	tctatctgaa	cgacatttat	ttcttgacca	ctgaaatgtg	3060
cccttatttg	atagagataa	gtcataacag	tcagtttatc	aggaattgct	aataatacca	3120
tatcagaagg	ttccaataat	cgggaaatcc	ctatgctggc	aaatccatcg	tatgcctttt	3180
tggtgttctc	tttaatatct	tgaggattca	gagacttgta	gtcaattaaa	tctggtctaa	3240
agtgggtgaa	tattgcacaa	aaagataaac	catttctcca	cgatgtagta	aaattgggtga	3300
tttttactcc	tcggtagttc	tttgtaactt	ctttacacca	tacaagcaaa	gactgactag	3360
catttggtct	tcgccccaaa	acaggacttg	gtatagggtc	tggttaggga	gaagtagaga	3420
gatcttttcc	tgagaaaact	gtgttttcat	ttaatactcc	tggttttggg	gagaggactg	3480
gtggagccgg	ggcctttctt	ttcactcgcc	tttcagtttc	tagttcttga	acaggattta	3540
ccaattattt	tgaggaggga	gttgatttag	gttcataaaa	aggatttgat	tcatccaatt	3600



```

cttcttcttc agtttttagaa ctatcagcat agaggctactt gctcatatcc acagggtctta 3660
tatttttttt tttttagtagac tggggaggag aatcctttat ggtcacaaat gcttctggct 3720
catcgaatgg gttcaaatac tgtggagtct gcacctcttt aaagggatta tagctgttat 3780
tataaaaaga gtcttctgtt tttctaggtg aagctgtttc agtgataggt tcttctgagt 3840
caggatctcc aaatggattt aattctgcag catcaggatc atcaaagga tttgaattca 3900
cgggtggccaa gtccttttct gcttcatcca aaaagttaag tttgttgata agctctgtaa 3960
ttttagctgc cttttcttct tggttcactc tgttctcatc atcatcttca ttatcttctt 4020
cgaagtcatc taaattggcc aatgtcagcc tggcttcata ctcatccaac taggccaacc 4080
tttgcattgc ttcattctgtg gcttttcctt ccctgtgaaa aatgcaagat aatgaaaact 4140
gaagagcggc agatacaact tttttagata atggct 4176

```

```

<210> 6370
<211> 1382
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1212)...(593)
<223> similar to gi4929693 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 6370
ttgagggtgtc cccagggggc agcaatatct gagcacctgt ctcccacagc actcaagcat 60
caagcagtcg tgcattcaagc atccagcagg cccgatcccc gcaggccact tgcccatctt 120
tgtccactca gtttgataat cagaaactgg tgcctcagcc tcgtgtgccc ccggtcatcg 180
tcctggagaa ccaagggtctc cgctgggtcc ctaaggataa gaacttgtga gtacccact 240
ccctctacct cttcttagaa gcccaaggct cctgggtctc ctctgtcctt ggccctgccc 300
caagggtctt tctctagacc caatctctgt taagtctgtg tctggaccca ctacttgctg 360
tttgacctcc atgggggtta ctatttcaga gtgatgtgga gggactggga agagtcacgg 420
cagatgggtg gagctctact ggaagatcgg gccaccagc accttggtga ctttgactgc 480
caccttgatg acatccggca ggactggacc aaccagcggc tcaacactca aatcaccag 540
tgggttggtc ccactaatgg aaatggaaat gcctgagcca gggccagcgg ggcccgggtc 600
caatagtggg accaaccac tgggtgtatt tgagtgttga gccgctgggt ggtccagtcc 660
tgccggatgt catcaagggt gcagtcaaag tccacaagggt gctggtgggc ccgatcttcc 720
agtagagctc ccaccatctg ccgtgactct tcccagtcct tccacatcac taagttctta 780
tccttaggga cccagcggag accttggttc tccaggacga tgaccggggg cacacgaggc 840
tgaggcacca gtttctgatt atccaacata ataagtactg catcaggga gaattctgca 900
attcgcccag caattttcaa ggccaggggc ccagggtctt gatcgttcac agctgcattg 960
gcatggtagt aaccagccac caccagaccg gcctgtgctc cccacacatc cacctggttg 1020
agggcgacct ccaacatgac ggacagggcc aggtggctgt ggaagagggg cacacagtgc 1080
gtgaggcaca ggcattctcc agaccggcgc gctggcgcca aaaacagccc gttgactgcg 1140
gcgtgtgggt accgggcagc atgcaggcac atcttcacgt aggccagggc cgagatctcc 1200
acctcccca tggcgagcga ggcttcgggt cggcgacaac gctaactcga ctgcaggta 1260
gcccgccggc tccggcgcc ctgggtcccg gagtccgccc ccggcccagt ccaggaggag 1320
gtcccgattg catccgagcc ccgccttccc gcgcccctag ctggcgggccg cgactctgcg 1380
cc 1382

```

<210> 6371  
 <211> 1783  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(1784)  
 <223> n = a,t,c or g

<220>  
 <221> misc\_feature  
 <222> (487)...(1053)  
 <223> similar to gi4929222 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 6371

acttgacggc	actgcgctgc	acgaattcgg	cacgagctgc	agccctggtg	cgacccggcc	60
cgttgccgta	gagatgggca	gggctggatg	gagtgggggtg	cggtgagctg	agctgaccct	120
gcttcgccac	ggggactgca	gtgaccccg	cttgccggca	gggcgggtaa	cagggttgagc	180
caggggtggg	ctgctcaggg	gcgtggagcc	gaggccagga	tttctctgaa	gacccggcac	240
aggctattcc	tttctgcgac	gagccattg	ctatggaaac	caaagcgta	ggccagcggg	300
gattgaggct	gcgggatcat	gacgggtctc	tctcccgaag	aaccttgctt	aaggcttccc	360
caagcggcta	cttcctgagc	gaacccgccc	acccgcctga	aggagagagt	tttccatgga	420
cacagcctag	cagaaagacg	cagccttcgt	gcttcgctga	ctgctgacca	ctgacccacc	480
gccttgatga	cagcaccctc	gtgtgccttc	ccagttcagt	tccggcagcc	ctcagtcagc	540
ggcctctcgc	agataacca	aagcctgtat	atcagcaatg	gtgtggccgc	caacaacaag	600
ctcatgctgt	ctagcaacca	gatcaccatg	gtcatcaatg	tctcagtgga	ggtagtgaac	660
accttgatatg	aggatatcca	gtacatgcag	gtacctgtgg	ctgactcccc	taactcacgt	720
ctctgtgact	tctttgaccc	tattgctgac	catatccaca	gcgtggagat	gaagcagggc	780
cgctactttg	ctgcactgtg	ctgctggtgt	gagccgctca	gctgccctgt	gcctcgccta	840
cctcatgaag	taccacgcca	tgtccctgct	ggacgcccac	acgtggacca	agtcatgccg	900
gcccatcatc	cgacccaaca	gcggcttttg	ggagcagctc	atccactatg	agttccaatt	960
gtttggcaag	aacactgtgc	acatggtcag	ttccccagtg	ggaatgatcc	ctgacatcta	1020
tgagaaggaa	gtccgtttga	tgattccact	gtgagccatc	ccacgagccc	ctgcattgga	1080
gtcagaggta	cagatctatt	gttgatctta	caccaagatc	caaacttgaa	cattctactt	1140
ttgttgatac	agaaaaaaac	agatgatgcc	ttttatgagc	acaaaaaaga	gttgctgtag	1200
cttttaactt	tataatccat	tttttttaag	attaaactaa	ttgtgagatg	gtgaagataa	1260
attttctgcc	ctgtgagtga	cactggccag	gggatagggt	gaggcagatg	gtgccagaaa	1320
gaaagagggc	agcaccatt	gcacatggca	ggcctggaat	cctgcagccc	tccccaaaaa	1380
cagattgacc	caggaatgaa	tctgctacaa	ttccacctca	ttctttcaca	cccagagcca	1440
gagccttaag	catcatggta	cctcttgcgc	ttcttacagt	gagtgccaat	ctactagata	1500
aatggccttc	aggcaggtgc	tccaggaatc	ctgggggggt	cccagggcca	cctctggttt	1560
ccaccttcac	tataagtggg	cccagttctg	gttttctaga	ttgtacttat	gcataagata	1620
gttttttaaa	aggaaaggca	ttccactggt	gttaaatttt	tttttngtct	ttttttttgg	1680
aaactgttcc	ntgcttntgt	tcacccatcc	ggggggnttg	cagtagtggt	gatccagggg	1740
ctcantgtag	gccacaacnt	tttnagggtt	caagngatcc	ctt		1783

001210"57.28460

<210> 6372  
 <211> 4213  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <221> misc\_feature  
 <222> (24)...(3177)  
 <223> similar to gi31438 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 6372

caggacaggg	aagagcgggc	gctatgggga	gccggacgcc	agagtcccct	ctccacgccg	60
tgcagctgcg	ctggggcccc	cggcgcgcgac	ccccgctcgt	gccgctgctg	ttgctgctcg	120
tgccgcgcgc	accacaggtc	gggggcttca	acttagacgc	ggaggcccca	gcagtactct	180
cggggcccc	gggtccttc	ttcggattct	cagtggagtt	ttaccggccg	ggaacagacg	240
gggtcagtg	gctgggtgga	gcaccaagg	ctaataccag	ccagccagga	gtgctgcagg	300
gtgggtgctg	ctacctctgt	ccttgggggtg	ccagccccac	acagtgcacc	cccattgaat	360
ttgacagcaa	aggctctcgg	ctcctggagt	cctcactgtc	cagctcagag	ggagaggagc	420
ctgtggagta	caagtccttg	cagtgggttcg	gggcaacagt	tcgagcccat	ggctcctcca	480
tcttggcatg	cgctccactg	tacagctggc	gcacagagaa	ggagccactg	agcgaccccg	540
tgggcacctg	ctacctctcc	acagataact	tcacccgaat	tctggagtat	gcaccctgcc	600
gctcagattt	cagctgggca	gcaggacagg	gttactgcca	aggaggcttc	agtgccgagt	660
tcaccaagac	tggccgtgtg	gttttaggtg	gaccaggaag	ctatttctgg	caaggccaga	720
tctgtctgc	cactcaggag	cagattgcag	aatcttatta	ccccgagtac	ctgatcaacc	780
tggttcaggg	gcagctgcag	actcgccagg	ccagttccat	ctatgatgac	agctacctag	840
gatactctgt	ggctgttgg	gaattcagtg	gtgatgacac	agaagacttt	gttgctggtg	900
tgcccaaagg	gaacctcact	tacggctatg	tcacctcct	taatggctca	gacattcgat	960
ccctctacaa	cttctcaggg	gaacagatgg	cctcctactt	tggctatgca	gtggccgcca	1020
cagacgtcaa	tggggacggg	ctggatgact	tgctggtggg	ggcaccctg	ctcatggatc	1080
ggacccctga	cgggcggcct	caggaggtgg	gcagggtcta	cgtctacctg	cagcaccag	1140
ccggcataga	gcccacgccc	acccttacct	tactggcca	tgatgagttt	ggccgatttg	1200
gcagctcctt	gacccccctg	ggggacctgg	accaggatgg	ctacaatgat	gtggccatcg	1260
gggtccctt	tgggtggggag	accagcagg	gagtagtggt	tgtatttcct	gggggcccag	1320
gagggctggg	ctctaagcct	tcccaggttc	tgcagcccct	gtgggcagcc	agccacaccc	1380
cagacttctt	tggctctgcc	cttcgaggag	gccgagacct	ggatggcaat	ggatatcctg	1440
atctgattgt	ggggtccctt	ggtgtggaca	aggctgtggt	atacaggggc	cgccccatcg	1500
tgtccgctag	tgcctccctc	accatcttcc	ccgccatggt	caaccagag	gagcggagct	1560
gcagcttaga	ggggaaccct	gtggcctgca	tcaaccttag	cttctgcctc	aatgcttctg	1620
gaaaacacgt	tgtgactcc	attggtttca	cagtggaaact	tcagctggac	tggcagaagc	1680
agaagggagg	ggtacggcgg	gcactgttcc	tggcctccag	gcaggcaacc	ctgacccaga	1740
ccctgctcat	ccagaatggg	gctcgagagg	attgcagaga	gatgaagatc	tacctcagga	1800
acgagtcaga	atttcgagac	aaactctcgc	cgattcacat	cgctctcaac	ttctccttgg	1860
acccccaagc	cccagtgga	agccacggcc	tcaggccagc	cctacattat	cagagcaaga	1920
gccgtagata	ggacaaggct	cagatcttgc	tggactgtgg	agaagacaac	atctgtgtgc	1980
ctgacctgca	gctggaagtg	tttggggagc	agaacctgt	gtacctgggt	gacaagaatg	2040
ccctgaacct	cactttccat	gcccagaatg	tgggtgaggg	tggcgctat	gaggctgagc	2100
ttcgggtcac	cgcccccca	gaggtgagt	actcaggact	cgtcagacac	ccagggaact	2160
tctccagcct	gagctgtgac	tactttgccg	tgaaccagag	ccgcctgctg	gtgtgtgacc	2220
tgggcaaccc	catgaaggca	ggagccagtc	tgtgggggtg	ccttcggttt	acagtccctc	2280
atctccggga	cactaagaaa	accatccagt	ttgacttcca	gacccctcagc	aagaatctca	2340
acaactcgca	aagcgacgtg	gtttcctttc	ggctctccgt	ggaggctcag	gcccagggtca	2400
ccctgaacgg	tgtctccaag	cctgaggcag	tgctattccc	agtaagcgac	tggcatcccc	2460
gagaccagcc	tcagaaggag	gaggacctgg	gacctgctgt	ccacctgtc	tatgagctca	2520

tcaaccaagg	ccccagctcc	attagccagg	gtgtgctgga	actcagctgt	ccccaggctc	2580
tggaagggtca	gcagctccta	tatgtgacca	gagttacggg	actcaactgc	accaccaatc	2640
accccatata	cccaaagggc	ctggagttgg	atcccagagg	ttccctgcac	caccagcaaa	2700
aacgggaagc	tccaagccgc	agctctgctt	cctcggggacc	tcagatcctg	aaatgcccgg	2760
aggctgagtg	tttcaggctg	cgctgtgagc	tccggggccct	gcaccaacaa	gagagccaaa	2820
gtctgcagtt	gcatttccga	gtctggggcca	agactttctt	gcagcgggag	caccagccat	2880
ttagcctgca	gtgtgaggct	gtgtacaaa	ccctgaagat	gccctaccga	atcctgcctc	2940
ggcagctgcc	ccaaaaagag	cgtcagggtg	gggccacagc	tgtgcaatgg	accaaggcga	3000
gaaggcagct	atggcgctcc	actgtggatc	atcatcctga	gccatcctgt	ttggcctcct	3060
gctcctaggt	ctactcatct	acatcctcta	caagcttgga	ttcttcaaac	gctccctccc	3120
atatggcacc	gccatggaaa	aagctcagct	caagcctcca	gccacctctg	atgcctgagt	3180
cctcccaatt	tcagactccc	attcctgaag	aaccagtccc	cccaccctca	ttctactgaa	3240
aaggagggtg	ctgggtactt	cttgaagggtg	ctgacggcca	gggagaagct	cctctcccca	3300
gcccagagac	atacttgaag	ggccagagcc	aggggggtga	ggagctgggg	atccctcccc	3360
cccatgcact	gtgaaggacc	cttggtttaca	cataccctct	tcattggatgg	gggaactcag	3420
atccaggggac	agaggcccca	gcctccctga	agcctttgca	ttttggagag	tttccctgaaa	3480
caacttggaa	agataactag	gaaatccatt	cacagtctct	tgggccagac	atgccacaag	3540
gacttctctg	ccagctccaa	cctgcaaaga	tctgtcctca	gccttgccag	agatccaaaa	3600
gaagcccca	gctaagaacc	tggaaacttg	ggagttaaga	cctggcagct	ctggacagcc	3660
ccaccctggt	gggccaacaa	agaacactaa	ctatgcatgg	tgcccagga	ccagctcagg	3720
acagatgcca	cacaaggata	gatgctggcc	cagggccag	agcccagctc	caaggggaat	3780
cagaactcaa	atggggccag	attccagcct	gggtctgga	gttgatctgg	aaccagact	3840
cagacattgg	cacctaattc	aggcagatcc	aggactatat	ttgggcctgc	tccagacctg	3900
atcctggagg	cccagttcac	cctgatttag	gagaagccag	gaatttcca	ggaccctgaa	3960
ggggccatga	tggcaacaga	tctggaacct	cagcctggcc	agacacaggc	cctccctggt	4020
cccagagaaa	aggggagccc	actgtcctgg	gcctgcagaa	tttgggttct	gcctgccagc	4080
tgactgatg	ctgcccctca	tctctctgcc	caacccttcc	ctcaccttgg	caccagacac	4140
ccaggactta	tttaaaactct	gttgcaagtg	caataaatct	gacccagtgc	ccccactgac	4200
cagaaaaaaa	aaa					4213

<210> 6373

<211> 3439

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (704)...(3283)

<223> similar to gi3132526 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 6373

ggcttatag	gctcgagcgg	ccgcccgggc	aggtatagaa	ttcagcggcc	gctgaattct	60
agggttttca	ggagcccag	cgagggcgcc	gcttttgcgt	ccgggaggag	ccaaccgtgg	120
cgaggcggc	gcggggagc	gtcccagagt	ctcactctgc	cgcccaggct	ggactgcagt	180
gacacaatct	cggtgactg	caaccactgc	ctccagggtt	caagcgattc	tcttgccctca	240
gcctcccaag	tagctgggat	tacagattga	tgttcatgtt	cctggcacta	ctacaagatt	300
catactcctg	atgctactga	caacgtggct	tctccacagt	caccaaacca	gggatgctat	360
actggacttc	cctactctca	tctgctccag	ccccctgacc	ttatagttgc	ccagctttcc	420
tggcaattga	ctttgcccac	caatacacag	gatttagcat	ccagggaaga	tgctcgagcc	480

tacagatgtta	attttctaat	tgagaatggt	ggcgctgtcc	gaacctggag	acaggaaac	540
aaaaagtcct	ttctcctgat	tcacaaaaa	ataaaatact	gactaccatc	actgtgatga	600
gattcctata	gtctcaggaa	ctgaagtctt	taaacaacca	gggacctct	gccctagaa	660
taagaacata	ctagaagtcc	cttctgctag	gacaacgagg	atcatgggag	accacctgga	720
ccttctcta	ggagtgggtc	tcatggccgg	tctgtgttt	ggaattcctt	cctgtcctt	780
tgatggccga	atagcctttt	atcgtttctg	caacctcacc	cagggtcccc	aggtcctcaa	840
caccactgag	aggctcctgc	tgagcttcaa	ctatatcagg	acagtcactg	cttcatectt	900
cccctttctg	gaacagctgc	agctgctgga	gctcgggagc	cagtataccc	ccttgactat	960
tgacaaggag	gccttcagaa	acctgcccc	ccttagaatc	ttggacctgg	gaagtagtaa	1020
gatatacttc	ttgcatccag	atgcttttca	gggactgttc	catctgtttg	aacttagact	1080
gtatttctgt	ggtctctctg	atgctgtatt	gaaagatggt	tatttcagaa	atttaaaggc	1140
tttaactcgc	ttggatctat	ccaaaaatca	gattcgtagc	ctttaccttc	atccttcatt	1200
tgggaagtgt	aattccttaa	agtccataga	tttttcctcc	aaccaaatat	tccttgtatg	1260
tgaacatgag	ctcgagcccc	tacaagggaa	aacgctctcc	ttttttagcc	tcgcagctaa	1320
tagcttgat	agcagagtct	cagtggactg	gggaaaatgt	atgaacccat	tcagaaacat	1380
ggtgctggag	atactagatg	tttctggaaa	tggctggaca	gtggacatca	caggaaactt	1440
tgcaaatgcc	atcacgaaaa	gccaggccct	ctctttgatt	cttgcccacc	acatcatggg	1500
tgccgggttt	ggcttccata	acatcaaaga	tcttgaccag	aacacatttg	ctggcctggc	1560
cagaagttca	gtgagacacc	tggatctttc	acatgggttt	gtcttctccc	tgaactcacg	1620
agtctttgag	acactcaagg	atttgaaggt	tctgaacctt	gcctacaaca	agataaataa	1680
gattgcagat	gaagcatttt	acggacttga	caacctccaa	gttctcaatt	tgtcatataa	1740
ccttctgggg	gaactttaca	gttcgaattt	ctatggacta	cctaaggtag	cctacattga	1800
tttgcaaaag	aatcacattg	caataattca	agaccaaaaca	ttcaaattcc	tggaaaaatt	1860
acagaccttg	gatctccgag	acaatgctct	tacaaccatt	cattttattc	caagcatacc	1920
cgatatcttc	ttgagtggca	ataaactagt	gactttgcc	aagatcaacc	ttacagcgaa	1980
cctcatccac	ttatcagaaa	acaggctaga	aaatctagat	attctctact	ttctcctacg	2040
ggtacctcat	ctccagattc	tcattttaaa	tcaaaatcgc	ttctcctcct	gtagtggaga	2100
tcaaaccctt	tcagagaatc	ccagcttaga	acagcttttc	cttgagaaaa	atatgttgca	2160
acttgcttg	gaaactgagc	tctgttgga	tgtttttgag	ggactttctc	atcttcaagt	2220
tctgtatttg	aatcataact	atcttaattc	ccttccacca	ggagtattta	gccatctgac	2280
tgcattaagg	ggactaagcc	tcaactccaa	caggctgaca	gttctttctc	acaatgattt	2340
acctgttaat	ttagagatcc	tggacataatc	caggaaaccag	ctctagctc	ctaatectga	2400
tgtatttgta	tcaacttagtg	tcttggtatat	aactcataac	aagttcattt	gtgaatgtga	2460
acttagcact	tttatcaatt	ggcttaatca	caccaatgtc	actatagctg	ggcctcctgc	2520
agacataatat	tgtgtgtacc	ctgactcgct	ctctgggggt	ttcctcttct	ctctttccac	2580
ggaaggttgt	gatgaagagg	aagtcttaaa	gtccctaaag	ttctcccttt	tcattgtatg	2640
cactgtcact	ctgactctgt	tcctcatgac	catcctcaca	gtcaciaaagt	tcgggggctt	2700
ctgtttttatc	tgttataaga	cagcccagag	actggtgttc	aaggaccatc	cccagggcac	2760
agaacctgat	atgtacaaat	atgatgccta	tttgtgtctc	agcagcaaag	acttcacatg	2820
ggtgcagaat	gctttgctca	aacacctgga	cactcaatac	agtgaccaa	acagattcaa	2880
cctgtgcttt	gaagaaagag	actttgtccc	aggagaaaac	cggccatgcc	aatatccagg	2940
atgccatctg	gaacagtaga	aagatcgttt	gtcttgtgag	cagacacttc	cttagagatg	3000
gctggtgcct	tgaagccttc	agttatgccc	agggcagggtg	cttatctgac	cttaacagtg	3060
ctctcatcat	ggtggtggtt	gggtccttgt	cccagtacca	gttgatgaaa	catcaatcca	3120
tcagaggctt	tgtacagaaa	cagcagtatt	tgaggtggcc	tgaggatctc	caggatgttg	3180
gctggtttct	tcataaaactc	tctcaacaga	tactaaagaa	agaaaaggaa	agaagaaaag	3240
acaataacat	tccgttgcaa	actgtagcaa	ccatctccta	atcaaaggag	caatttccaa	3300
cttatctcaa	gccacaaata	actcttcaat	ttgtatttgc	accaagttat	cattttgggg	3360
tcctctctgg	agggtttttt	tttctttttg	ctactatgaa	aacaacataa	atctctcaat	3420
tttcgtatca	aaaaaaaaa					3439

<210> 6374

<211> 6191

<212> DNA  
 <213> Homo sapiens  
 <220>  
 <221> misc\_feature  
 <222> (5553)...(1360)  
 <223> similar to gi2570024 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

```

<400> 6374
tttttttttt ttaagaaaca atatatttta tttttctgac accacagctc tggcgagtgg      60
ttttgtacca aatttaaatgg aggttacaca gaacgtctta cgcattggag ggggaggaaa     120
gggaagggaac cacaaaattht aaaacaaaca gaaaccaaht tcttgatag cttttagcat     180
ctgtcccact cccacattaa taaaattcac ttgggaattc ctaataaaaag gaaaacaaaa     240
aacaagggtgg ggcagggaag ggtatgatgg gaaaggagaa agacttaggg ggaaaaaaga     300
ccagagagca tcccaaggac agacctttcc ctctcagagc caagaggacg ctcggcattg     360
aaggcgaggc tttgctagat ttatttcccc aaaataaacac tgtgtattgc agctgccaaa     420
gggaaagaga gaggggaagca gaggtcacc agcggggggc acaaaggaa gaaacactta     480
actgaggaga cagagcaaaa tcggagagag aaacagagaa aatgtgccag tgggttggtta     540
tattgggaga caagacagtg ctgaagagca cttgaactga aaaacaaatg tcctaagagt     600
cattattttt caaaagaaaa atctcccccc tccccccacc cctcgctgaa cttagttcct     660
ttttttgtgc ttttcattaa tactctgctc tgaggctcgt gtttggtttt tctatacact     720
gcagttgaaa gaaaatagtc caaaggctctg aagatggatt ctccacctaa agtaaacagc     780
ccagcattcc tgttctcctc ttgccccaaa gactaaagtc tctgctaaaa tccctttttac     840
aatatagtag agtacacaga aaaaaataaa gcccaahtca aaaaaacaaa aacagaaaag     900
aatcctggga gaagccagtc caaaggacgt aaacatacag agaacggtgc aacacatgac     960
cgatggcaat tctcaaagca cagctacaga ttcccaaaag taggtgccat cattgatacc    1020
caagtccaca aaaataattht ttaaaaaata aatcttaaaa aaaacacacc tgttgattaa    1080
atgaataatt tgttttcagg taaatccata cattctcgag ttccccccct ccccaaagca    1140
gccctcgggt ctctgttctc ctattgcatg accaatagta agtactcctg gaactccctc    1200
aaagcagctc tcaggacctg gaatctcatc ttgacaagga tcggcacatc ccatcttagc    1260
agcttaaaac atcatgtttc ctgggttgcc aggtccttgg ctaaatccac ccatgcccac    1320
gtcagcagcc atgccccggg gcctcatctg tgggggggac atgatgttct gttgggggtcc    1380
catcatgccc tgcattggaca tcatcatgcc tggagagccc acaggcccag ggtgggtgta    1440
gagcccgga ggccccgat ccttgccagg aatcatgccc acggcagcag ctggattgct    1500
catcagggtg ggctggccgg gcattgtaga ttgtgctggt gacatcatcc gatggtgagg    1560
tcccatcatg ccttggttga gaaaggctgg tggctctcat ggggttggtg ctggcatgga    1620
tggagctgta ccaagaggga tgtccggagt tccactggc cctggacctc ccatgccagg    1680
taatgctagt cccattctgg gggcttggtc gccatcatc ccctgcatgt gtgaaaaccc    1740
aggtccagga ccctggggct gtttacggcc tggaaacttc cctcgaggga aatattgcag    1800
cgtctggctg ggcttctcag atggaataat gcgggataga tcaaactcag gtattccggt    1860
ggctccaggt cggatgacct cctgcagatc tgggtctgta aacaccgaag gcatgctgtt    1920
ccccaggaca gtgaaggagt caggaccccc ggggcctcca ggcttgcaaa gtgctgcac    1980
tgctgaactt tggggcagggt tgctggggcg gccaaagggg ccttctcctg ggaaacccat    2040
ccctcctggg aagctgccct gccccccact ggggccaatt tgagggaatg gaacctgctg    2100
tggggcgagac tgtactggag ggaagccctg ggggaagccc atccgtcctt gaggtaccat    2160
cgggtggctct tgggacccat gccccatgat aggattgtgt gacatcaagc caggcccat    2220
tgggacccca tgaggaggta tgttgggtcc cacggcattt ggagaggga tctgattgga    2280
gtgagaaaag ggctgggtca ttcccattgg gctgagggtt ggcatcgga ccacgggggt    2340
tggacctgaa attcgaggat tctgtgtatt aatgccatt cctggcatat tattcattga    2400
tggcaagttg ggagaacgag ctggagggga gtcgtcatct gagctggcca cagtcttgat    2460
agcatcatgg ttataaccgg ggttggaac tgggccattg caaacttgga cattccgaga    2520
catccataat agagagtggg ttctgggaaa gggttggctc tggaggcatg gtataagggt    2580
tactagaggg aagacttccc agggatattc acagaggcag gctggctggc tgtaggaggt    2640

```

ggggggccac	ctgactctac	atthcccagc	atggctgggg	aggccatggt	gaggggtgct	2700
ttatggtttg	gagggatccc	aggactctga	aggggaggct	ctggagaaga	ggtccatcca	2760
ggtgacgggg	caggaagtga	tggagacttg	aggtggacag	gtgaagcagc	agcagacccc	2820
aaaacagggg	gggacttaat	ggaagcagca	gcagctgggc	ccgccagcat	gcttgccagc	2880
tgcgatggag	tctgggggga	cttgagggtc	cccgaaggcg	agcccagcat	tggtgactgg	2940
acttggtgca	tcgtgggaga	cttcagaggg	ttaatgcctg	gggaatgcac	ctggctgcct	3000
gccacagata	tatccaaggg	cttccgcccc	aggccgcgct	gaactggagg	agctgtgttg	3060
aggctggtgg	ggttactgga	agggttgaga	ggtagtggtg	gcatatgact	gagccggctg	3120
ttagtctctc	ggtcgggccc	aattggttct	ctgagattcc	gcaagccact	gttgctgcct	3180
ggaccctgag	acatgggaag	gaatggtctg	gggcccattg	catactcctg	ctgggggtgc	3240
tcaccaaattg	gcagtggcac	catcttctgc	tgagcaggca	gcatgtctga	gccacctggg	3300
cgtaattttca	gcatctcctc	agggcccgcc	ccagcctctc	tcatcttctg	aggtatcatc	3360
tgagagttgg	atcccatggt	gacatttaga	ttgacatctc	ccttcatccc	actaggaacc	3420
atcccaaact	caagttcccc	accagggccc	atctgtgggg	gaattccttt	tggaaagtca	3480
cccctagaag	gactcagagg	gccctcaact	ggtattcgag	ggaaaatggg	gttattccca	3540
ggctccatgt	ggcgtggga	gcctggaatc	atcctgttca	tctccatgct	gggcctgatg	3600
ccttccatgg	ccatccctgg	ggggagaccc	agctgtttct	ctgccagctg	ctgctgaaac	3660
atctcttcag	acaatccttg	ggggtttggg	aagcgttccc	ctcggccagg	accgctgaaa	3720
atgccctggc	caggagcaaa	atttcgacca	tctgggattt	ttggcacatc	atctggccaa	3780
ctgactccag	aaagacctgg	tctagatgca	gggttgggga	cattcggccc	ttccattttca	3840
gagtttatca	tgccctgcaa	tccagggagg	cgcatctggc	tccctggcat	gttgggggtg	3900
ggagccatgc	ccctcggggg	cagagaatgt	ggcatgttga	taccatcaga	aaatggctct	3960
gtacccccag	gtgccccagc	ttactagagg	gtcatctggt	atggaggggg	gggtcctcgg	4020
accactcccc	gaggcccgtg	ctgatggacc	atcatgtcct	ggaggggaaca	ctgctggaca	4080
accacttggt	ccggcttcct	cctcttctct	tcataaaact	cctgctgcag	tttcagccac	4140
gctatctgct	cgggagtcac	atggtcaagg	tggctcgggtc	ctatggtccc	agactgggag	4200
ttcatagaag	gtggaaccat	ttcatctgga	gaaaagggta	catctctatg	tccttgaggg	4260
ccaaatggag	ctcccacgtc	tgtccggggc	ccaggctcct	tacctaggct	ttgggattgg	4320
gccatcatgg	cctgtattgg	cccttctggt	tttttctgag	gcccattctaa	taccccagga	4380
ttctgctgcg	gtcccccaact	ttgtgctcct	gtgaattctt	tctcatcagg	aaaaagcatg	4440
cgctggatat	ctctgagagt	ttgtaaggag	cgctcccggg	gctccagctg	ctcctgagat	4500
aggccatcgg	gattctctcc	cagtgtgggg	ggctcgccac	tggacactgg	tggaggcgga	4560
ggggcttttg	gatctgctga	agagctattg	ctcccctggg	agacaggggt	cactgcccta	4620
ttgttgggag	ttgagttggg	cccagttacca	cttgggggca	gtggagtgga	gctggcagga	4680
cttccctacag	aagggaatcag	tttgttttct	accccaggac	tctcccgggc	caggggacgt	4740
gggggtgctg	caggcttggg	tgtctggtgc	ggaatgggtg	gagttggctg	cagtctggta	4800
ttctgggaag	aattctggtc	ctgggttggc	ggagctgggg	gctgttgttg	gagaggtttc	4860
ggatcattcc	gaagggcaga	tatctgtgtg	ttcagaggcg	ctgtgcttct	ctctgtcttg	4920
ttgttagaaa	tgttctggat	gtggaaagag	acgatagttt	caacctggcc	cttcaaaaaca	4980
gcttctgcag	ctttattggc	catctcagta	gaaaacacgt	acaccacttt	ggctggagtc	5040
ttctgagcag	gtgtgggctc	tgtggcagta	gtttggccat	gggggggggt	agaagacctg	5100
ggggctgtag	catttgatgg	ggtcatcgag	tgtggtgtgt	gctgggaatc	ctgggacttt	5160
atgtggtcag	cagaattaca	ttctttaatg	tcagagtcac	cgtttgaggt	cccaggatct	5220
ctctgatcaa	aggagtcggc	ggaaataact	cgctcccctt	tccccttgcc	cttggcacca	5280
tttccagccc	cattcttcag	ccccatgctc	ccacctgggc	cagggagtgc	tttaggggta	5340
tggccccac	tcttgaggtc	acagggggat	ggctgggatt	ggctggctga	gccccctgt	5400
ttaccctgat	tggagaattt	ggaatccagc	tgggggtttc	cagatgggga	catcactgta	5460
gggggacgga	ccatcacctc	ctgctttgac	ttagggtctac	tctgtgtgtt	tcctgatgga	5520
gagctcctca	ctttagggtt	actggaattg	attgattgaa	atcctgagct	tgcagtcaca	5580
aacgggacag	gctcaccgag	ttcctctcgg	gttgccagag	aaacagctgc	tgggggcagt	5640
ggcactggcc	cactgcttgc	tgggtgcgtc	ccttagcgct	cgctgcctgt	atgccttttt	5700
cctctttgtt	tttctctgct	gtggaagtgg	gtcctttccc	cttgccagctc	cagcattctc	5760
tgggtgcgtg	cctcctgctg	ccagaggaaa	atctcgcac	tccagggcat	acaaaacccc	5820
aagggtcacg	acactgcagt	gctcatcctg	gaggtgagga	gtccagggaac	cccccttctca	5880
aagatgaccc	ttgtctttca	atatgtccaa	tttgctattt	cttctacatc	gggacacgga	5940
agaactttcc	aaaaatgatc	tctgccaccc	aatcagatgg	gaatgttttag	gtcaaagcag	6000
aatgacgcca	actgggcca	cattcagtc	ttttttatga	ggagaaattc	tggagaatca	6060

tttcagaaac	tgagggggga	aagtgaatga	agacaaaaaa	gacccttttc	ccgcaatccc	6120
tggcctcctg	gtatcaagac	accaggacaa	catcaaagca	acttaggggg	aacactttag	6180
gggccacgaa	a					6191

<210> 6375  
 <211> 1749  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <221> misc\_feature  
 <222> (99)...(1206)  
 <223> similar to gi3873707 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 6375	
ttttaacctc gatgaccatt gtgcagtctg gtggaattcc gcagcccttc gctcgcccg	60
cctccccctc cctgggttcg cgttctgggt cgcctatgga atccaacaag gatgaagctg	120
agcgtgtgat cagcatcgcc ctcaaggcca tccagagcaa ccagcccgac cgggcgctcc	180
gcttcctgga gaaggcacag cggctgtatc cgacgcgcg agttcgcgcc ctgattgagt	240
ccctcaacca gaaaccacag actgccggtg accaaccctc acccacagac acaaccatg	300
ccaccacag gaaagcaggt gggaccgatg cccctcggc caacgggtgaa gctggaggag	360
agagcacaa aggtacact gcagaacagg ttgcagctgt gaaaagggtc aagcaatgta	420
aagattacta tgagatcctg ggggtgagca gaggggcctc ggatgaggac ctgaagaagg	480
cctaccgcag actggccctc aaattccacc cagacaagaa ccacgcacct ggtgccactg	540
aagccttcaa agccattggc acagcatatg cgggtactcag caaccggag aagaggaagc	600
agtatgacca gttcggcgat gacaagagcc aggcggcccg gcacggccat gggcatggg	660
attccaccg tggctttgag gccgacatct cccctgaaga cctcttcaac atgttctttg	720
gcggcggtt cccttctagt aacgtccacg tctacagcaa cggcccgcatg cgctatacct	780
accagcaaag gcaggaccgc agggacaacc agggatgatg cgggctaggg gtgtttgtgc	840
agctgatgcc taccctcatc ctgattctcg tgtcagctct cagccagctc atggtctcca	900
gtccacccta cagtctgagt ccaagaccgt ccgtgggcca catccacagg cgagtcactg	960
accacctggg tgcgtctac tatgtgggag acactttctc cgaagagtac acaggctcca	1020
gcctcaaaac agtcgagcgg aatgtggaag atgattatat cgccaacctc cggaacaact	1080
gctggaagga gaagcagcag aaggaaggct tgctgtaccg ggcacgctac tttggcgaca	1140
cagatatgta ccacagagca cagaagatgg gcaccccccag ctgcagccga ctgtcagagg	1200
tgagggcctc cctgcatgga tagtcctggg ccagccacac caccgagggtc caaactatga	1260
aatccctgga gaatttttgg tgacatgcac tggagccaag gtgatggact gtatatgtga	1320
ggaaagacaa acaaagaaac aaaattaaaa tgggaattgga ggccgaacgc tgcacagctg	1380
ccctctctct caccagtaa atgcagaaag ctcttaggac agacagaaaa cctgccatgg	1440
ggctgcttcc ctccctcgca gggctggcgg aggtccgca tcgcctctct cctaggatac	1500
agaaaccatg gcaacgaaag tagaatgtaa aactcgcagc agatatcagt ggggaagggt	1560
gggggagggg gcacccagct gcctttcctc cctcacagga gccaccacca gccacctctc	1620
aggagaagcc agaggccctg gccaaagata ggaggaagaa agagaactct ccatagaatg	1680
taatttatag atgcgtgtat atgtatatat atctatttat atgtaaatag gcatatatga	1740
agataaaaa	1749



<400>	6829						
ttccgttgag	catctagacg	tttccttggc	tcttctggcg	ccaaaatgtc	gttcgtggca		60
ggggttattc	ggcggctgga	cgagacagt	gtgaaccgca	tcgcggcg	ggaagttatc		120
cagcggccag	ctaattgctat	caaagagatg	attgagaact	gatgcaaaat	ccacaagtat		180
tcaagtgatt	gttaaagagg	gaggcctgaa	gttgattcag	atccaagaca	atggcaccgg		240
gatcaggaaa	gaagatctgg	atattgtatg	tgaagggttc	actactagta	aactgcagtc		300
ctttgaggat	ttagccagta	tttctacct	tggctttcga	ggtgaggctt	tggccagcat		360
aagccatgtg	gctcatgtta	ctattacaac	gaaaacagct	gatggaaagt	gtgcatacag		420
agcaagttag	tcagatggaa	aactgaaagc	ccctcctaaa	ccatgtgctg	gcaatcaagg		480
gaccagatc	acggtggagg	acctttttta	caacatagcc	acgaggagaa	aagctttaaa		540
aaatccaagt	gaagaatatg	ggaaaatttt	ggaagtgtgt	ggcagggtatt	cagtacacaa		600
tgcaggcatt	agttttctcag	ttaaaaaata	aggagagaca	gtagctgatg	ttaggacact		660
acccaattgcc	tcaacctgtg	acaatatctg	ctccactctt	ggaaatgctg	ttagtcgaga		720
actgatagaa	attggatgtg	aggataaaac	cctagccttc	aaaatgaatg	gttatcatatc		780
caatgcaaac	tactcagtga	agaagtgcac	cttcttactc	ttcatcaacc	atcgtctggt		840
agaatcaact	tccttgagaa	aaagccatag	aaacagtgt	tgcagcctat	ttgcccaaaa		900
gcacacaccc	attcctgtac	ctcagtttag	gaaatcagtc	cccagaatgt	gggatgttaa		960
tgtgcacccc	acaaagcatg	aagttcactt	cctgcacgag	gagagcatcc	tggagcgggt		1020
gcagcagcac	atcgagagca	agctcctggg	ctccaattcc	tccaggatgt	acttcaccca		1080
gactttgcta	ccaggacttg	ctggccctc	tggggagatg	gttaaattcca	caacaagtct		1140
gacctcgtct	tctacttctg	gaagtagtga	taaggtctat	gccaccaga	tggttcgtac		1200
agattcccgg	gaacagaagc	ttgatgcatt	tctgcagcct	ctgagcaaac	ccctgtccag		1260
tcagccccag	gccattgtca	cagaggataa	gacagatatt	tctagtggca	gggctaggca		1320
gcaagatgag	gagatgcttg	aactcccagc	ccctgctgaa	gtggctgcca	aaaatcagag		1380
cttgaggggg	gatacaacaa	aggggacttc	agaaatgtca	gagaagagag	gacctacttc		1440
cagcaacccc	agaaagagac	atcgggaaga	ttctgatgtg	gaaatggtgg	aagatgattc		1500
ccgaaggaaa	atgactgcag	cttgtacccc	ccggagaagg	atcataaacc	tcactagtgt		1560
tttgagtctc	caggaagaaa	ttaatgagca	gggacatgag	gttctccggg	agatgttgca		1620
taaccactcc	ttcgtgggct	gtgtgaatcc	tcagtgggcc	ttggcacagc	atcaaaccaa		1680
gttatacctt	ctcaacacca	ccaagcttag	tgaagaactg	ttctaccaga	tactcattta		1740
tgattttggc	aattttggtg	ttctcaggtt	atcggagcca	gcaccgctct	ttgaccttgc		1800
catgcttgcc	ttagatagtc	cagagagtgg	ctggacagag	gaagatggtc	caaagaagg		1860
acttgctgaa	tacattgttg	agtttctgaa	gaagaaggct	gagatgcttg	cagactattt		1920
ctctttggaa	attgatgagg	aagggaacct	gattggatta	ccccttctga	ttgacaacta		1980
tgtgccccct	ttggaggggac	tgcctatctt	cattcttcga	ctagccactg	aggatgaattg		2040
ggacgaagaa	aaggaatggt	ttgaaagcct	cagtaaagaa	tgcgctatgt	tctattccat		2100
ccggaagcag	tacatatctg	aggagtgcac	cctctcaggc	cagcagagt	aagtgcctgg		2160
ctccattcca	aactcctgga	agtggactgt	ggaacacatt	gtctataaag	ccttgcgctc		2220
acacattctg	cctcctaatac	attttcacaga	agatggaaat	atcctgcagc	ttgctaacct		2280
gcctgatctc	tcaaaagtct	ttgagaggtg	ttaaatatgg	ttatttatgc	actgtgggat		2340
gtgttcttct	ttctctgtat	tccgatacaa	agttgtgtat	caaagtgtga	tatacaaagt		2400
gtaccaacat	aagtgttggt	agcacttaag	acttataact	gccttctgat	agtattcctt		2460
tatacacagt	ggattgatta	taaataaata	gatgtgtctt	aaaaaaaaaa			2510

```
<210> 6830
<211> 4723
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc feature
```

<222> (1)...(4724)  
 <223> n = a,t,c or g  
 <220>  
 <221> misc\_feature  
 <222> (4312)...(1597)  
 <223> similar to gi498156 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 6830

tgaacatcag	gtgacatttt	cattttattct	gtttacagat	gccacttagt	tacactgttt	60
ttnttttttt	ttttttcagt	ctcatctggg	ttggatccaa	agacattcag	aggcatggta	120
agaggcaaag	catcagacat	ctcattgggtg	gcaggctactt	cctgactact	gtaccacctg	180
ctgtatcctt	ccccacctca	tcacccccaa	agccatttag	tgccaaatgc	tacagtaaaa	240
accaatgca	tttacataaa	ataatgccta	actgcataatt	taccattttt	tagaaaaaaa	300
aatcccat	aagctcttct	aggaaagtta	tggcaggaaa	ggtaaggacc	aaggctattg	360
agcaagccct	tattgtggga	accttaaaag	taagatgggg	cactgagttt	tcccccataa	420
gttgggaaaa	aagccacact	ggggcccact	cttcctgtg	aggcaagatg	agaccttct	480
tttataccct	gttgagaatc	tcaggtggac	aacgtgactg	catgagtgtt	gaaaggcagc	540
ttgccggctt	agttatcacc	ttgcagaggt	agctatgcac	tacacagcca	cactgcccac	600
agcgcgctac	taagaacact	ggtcctacaa	agggctcctt	gtaagagaac	tttaggaatc	660
acaagtattt	agaaaatact	atacactatc	atttccttcc	tagagatccg	caatgcacat	720
tatcacatgg	aagtttccag	aagttctttc	ataaagaaat	gcttaacttt	atttaacctt	780
gagtttccat	atcaacctga	ccttgggaatc	tcttactttt	ttaggtgaca	catatcatag	840
aacatattct	gagaaatgct	cctctatggc	tttgagaaaa	tctttgcaga	aacaaaataa	900
taataatttt	ttacttaaaa	aaattaagta	actagtagga	tcaagtgttg	gtcaacaaca	960
aagagatcaa	agagtcagga	agtccacgtc	atagaccccc	actttttaat	tccagcctag	1020
cactgacgcc	ataaactgtg	cctgcctgaa	aacaggcaga	aatcagttgt	ccatgatttc	1080
tctctttaag	gcttgagttg	ttcggcatgg	aaatcacagt	acagaattga	atgaggtcca	1140
tcaggagccc	atatttcatg	tacagaggcc	aagcgtcttc	tcttgtcttc	tgctataaca	1200
gtgaaatcat	taaacatcta	ttgttgctta	tcacatgact	atgaggtttt	tcaaatagac	1260
ctgacaagcc	ctttgtttct	aacaaaaaaa	ggggatgata	actcgtagag	cttctcatta	1320
ttttcagcca	caactacaca	gaccaagaga	tcataataca	aagcttttgg	ccaaataatt	1380
taaaagtatt	acagcaagga	cagggaagga	tgaaaatcaa	tgacattact	ggaatgatgt	1440
acacatttca	tcactctgat	aatacataat	tttttattct	tgtttccagg	gagtttcaca	1500
tgatatttta	aagcagaagc	agattctcca	catgtagaac	ttggcagaca	ataataacgt	1560
attatctatg	cctgctggg	atacaagcac	gcattcacac	ctcaatagca	atcctcgcaa	1620
atcgatactg	cagagaggcg	ggaggcctca	gtagcactaa	gcccctctgc	gctgcaggct	1680
ggctggacag	catatccagc	aagcctgtca	agctaacaaa	ccccagggt	tctccacagc	1740
caacagccat	ggaaaaatct	ccctgagtca	caaagcctag	gagagtctctg	gagcagtgca	1800
acgtcacacg	cggcagaggg	cctgaccaca	gccctagagt	cagagcttcc	tgcccagcca	1860
cgggctcttc	ccccgcggg	ccatcagaag	aggcacgtcc	tgggcttctg	cctcttctcc	1920
cttttcttct	tctctttctg	tttcaggatc	ttgctcctga	atgggtcact	gtgtttggat	1980
tcttggggcc	cacagtaatg	ccagtctctca	tggagctgga	ggaagtctct	cttgggtggg	2040
acacagatca	tggtgtgagg	ctcggggctg	cccttgctga	gcagggacag	gctgacccaa	2100
accagggcc	tggggaagt	gcccagatg	gacaggcaag	cctctctggt	caatccttgc	2160
tggcctctgc	cgggagctcg	cgggcctccc	cgactactct	cagaactggg	cccacaccag	2220
gctgacagtt	gcttcagtaa	ttttctactc	ctgagaacgc	agaggtgact	ccctgtggca	2280
gcaacatggt	tttcaactgg	ctcctggtct	gtgatcctct	caggccctgc	cgattcttga	2340
cacctgcat	ccattacctc	ctctgcctcc	ctgggtgct	ctatggatgt	gccacttca	2400
tcagatggct	gatgagtttt	tttaggcag	ggagcacaag	gcacctcaga	tcttcttagg	2460
tcactctct	taccatttgg	agatgaagct	acagaagggt	cttcgtaagc	ctggactctt	2520
gactcccagt	cttgagttaa	ctgctcccag	ggacagcaga	aagggtgccag	agtgccaagc	2580
ttaacgtagt	tgggcccgtt	tgcaggaggg	cgtcttttgt	acttttcaag	aagattctta	2640

09483725-04100

gcttgctctt	ccgcaaacag	catcccggca	gggcagtctg	gaaaatcgcc	tgggacatta	2700
ggcgacctct	tatactgaga	atgcactgca	gactctttca	accctccgac	tctcacacct	2760
cgataaataa	atggaatcca	gaaagccatg	cccagccct	ttgggagtag	gacatcccag	2820
ccacttcccc	agcctagtcg	atcttcacca	gtcacttttc	ctggctgctg	aatcaaaagt	2880
ataggatatct	tggattcatg	gggacctaaa	ataagctgtg	accagggcac	cagcaattca	2940
ctcctcatcc	ggtttaaatac	ctgatccgag	attttattct	ctgtgacact	cttacagata	3000
tcttggttcc	agataaagct	atgcgtacat	tccacaggca	caccctccag	aagcagctgt	3060
ctaactttct	cattatcttg	gcatttttct	ggattgggca	aagctttgga	cttcttttgg	3120
ggcaaattta	ttcgaggatc	cccaactgtc	agtcccagaa	tagtacctgc	cggaatttct	3180
gctggtgatg	ttattcctcc	caacaactcg	aaaatggctt	cttgtctgca	atgaagggaa	3240
acgctgtcag	gtttcttaca	ggtttctatc	caccagcggg	gaggtgtctc	ctctgtgtcc	3300
tctcccacag	tgtggacaga	agcagctttt	attgcttcag	ttaggatgga	gtgggaaagt	3360
ggcccaatca	gccggaatct	gttcatctcc	atcgtaaat	cgctgattat	aatgcctgtg	3420
gttgagagaga	tccaagagta	tggtagacat	ggatctctag	ttccatcacc	gataattttt	3480
ttaattgggt	tagcattttc	tccatcatct	ttcctttttc	ttttcttgcc	aattttctcg	3540
tcaggcaatt	cagtttggct	tttttcttgg	gatggtgttg	gaagtgggtc	agcgatgcag	3600
acagctgatt	tgatgggttc	cacacactgg	cacgctgctt	ttatttcctc	taagatatcc	3660
tgtttaaggg	ttggatgcag	ccagatccac	agctgcctgc	tctcagaagg	gtcaccggg	3720
gtcctctggg	acttccagat	aaacgtaaca	ggccaagca	tttctctggg	atattttattc	3780
acccgataaa	gcacaaggct	cccttggcgc	tttccagaca	agcagtgaac	tgctgcaaac	3840
gtcagccctg	tgtctatgtt	acacattcca	gaaagcgctt	ttagtatttc	ttcctctttg	3900
cctttcaact	ccaaacaaca	gtaataggat	aaatcctgca	ggaggcaccg	gttcgtcatg	3960
gctcgatagc	aggctctgtg	gctcttgact	gttggcctct	ccccaaggca	gtagccccac	4020
ttcttgacca	tatgaaaccg	cttggcggtg	cagatgtgag	tttctaacca	aatgttcttc	4080
ttttgtctac	ggttaaattc	tagcgtccgg	ttcatgtgac	atcttcgagc	tttatggcat	4140
ttattttttg	aatgttcttt	tttctgatgt	acggctttct	ccgcctcttt	ctgggcaatc	4200
tcttgtaacc	gtctgggaag	gcgtttgacg	ttgtggctca	tggctcttcg	tcgcatgtgc	4260
cgtggcagag	tctgaaaaac	cagtgaattc	gaagacttct	gggtcacagc	ttttaacata	4320
gcactgattt	cagcagctcg	tgcttgagca	aaagtagaag	cagttatata	cttggggatc	4380
tcttgagacg	tgccctcggg	acctgctttc	cacctccct	tttttctaaa	catccctttg	4440
gaggaagact	gtctattcac	ttcagggtca	ggcagagaat	gggggttgac	tctgggttgc	4500
cgctgtcgtg	aagttccagg	atgaggctct	tggtttttgag	cttggaagg	tttttcacct	4560
ccactgtggt	gctttacacc	tctgtcagcc	acaaagccag	aggacagagt	cacattggta	4620
ggctggtttc	tcattttctt	ggcgtgtttt	ctttcttttg	catttgacat	ttctgccaga	4680
cgctgtgagg	aatccccggg	tcagaatgac	aagcctccgc	gac		4723

<210> 6831  
 <211> 1781  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1698)...(647)  
 <223> similar to gi2832763 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 6831	
cggcgcgctc	gacttttttt ttagactatt ttaaaagatt ttattagagg aaataatcta 60
gtagataact	ttcttacttc cacaaaaaca aagtttctca aggatacaaa ccaatggatt 120

tatctgtgaa	ctcgggtccca	gaatagaaac	tagcaaaaag	tcagtagcagt	actcaaaaaa	180
tactttttgtg	gtatgaaaaa	agggcagggtg	cagatgtaga	actgtaccat	cttcagtttc	240
tggtcacaat	tgttttaaaa	caattctcat	ctatccagtc	tgctctccca	cgcctcagga	300
tgaggggaag	gccaatgggt	caatgctctg	tggataggcc	caagtaggga	tccaatctag	360
ggtaattccc	tgttccacct	taggctctgt	cctctgaggg	gatttgccag	ggttggcacc	420
cacaatagtt	ctccattttct	cttttagtctg	aacttatgct	gtaaacccaa	ggcctggcac	480
aggggtatgc	aggaaagttt	gagtgaatca	gtcacaacag	ctctagtaca	gtactgcatc	540
gatatgctct	ggagacctgc	agcctatttt	tcccagagaa	ataaagtggg	gtggagatca	600
gaagccatgg	cttccccctt	acctcctttg	gtcagtgcag	gctctggctc	aaatactgaa	660
gaaacatggt	ggccagttgc	ggcaagttct	cattgttggg	atgcatttta	gtgtacgaaa	720
taaactggcg	acgaaggcga	ctcagttctg	ccatggtcaa	gggccgggta	aaccgcaagt	780
gctctgtggt	accaggaagc	gtgagcaagt	ccccggggac	agcgctcttc	tgcgcttcca	840
tcaatccggc	cagtacttga	ctcgtgacct	ggtccaactg	gtgcagaaag	ctgccggagg	900
cgaggggctg	ggactgcgta	gactgatggg	gtggtggggc	ccggttctca	aacagggcag	960
agcggatccc	cgccaggggc	aacggctcct	ctaggcccac	caaagtgaat	aaaggccggt	1020
cccagcgatt	ccgagaatcg	ggagcctcaa	agcgcagcgt	tagggcctcc	aggagtctcg	1080
gagagtaaaa	ggcaccggac	ccatgctttg	cagattttct	tgaatccgga	gtcacaagag	1140
ctggagactc	cgcagccccg	gattcttctc	gctccagttc	cttgggtacg	tcggcctggg	1200
cacttccatt	tactacagag	tccgcagtat	gcagttccct	gaggacgctg	ctgcccgcgg	1260
cctgggctct	cccgtcctcc	tcagcgcgtg	gccgccaaact	cacactgacg	ttccggccag	1320
ggttctcggt	cgcgcccggc	acctgagggtc	ccgcgatcgg	gccgccgggc	cgtacgcagt	1380
agaccaggca	gagcgggggtg	cgcgccggcc	gtgccaggcg	agtagagctc	gtaacggaaa	1440
cctttgatgt	agttaagcga	gtccaggatg	accacgtcgt	ggcgactcag	gcgcggttcc	1500
acggagggctc	gcagagctcc	acgcaatgcc	ttctcacggg	cagaatcgcc	gtacaccgct	1560
gggtcctctg	cgcccaggac	agctgcgtcg	tccaccacgt	acaccgcgcg	gccctcggca	1620
gccagcgcca	cgcgcaactc	ttcagcacgc	cggtctttgc	cgctgtacgg	cagcccgcaa	1680
aacaccacga	gcggcatcct	ctcagggagc	gaccattggc	aaccgcgctg	cgccaacttc	1740
cgggttgtag	gcgcctccga	ccatgggatg	ctgtcacttg	c		1781

<210> 6832

<211> 1962

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (787)...(1673)

<223> similar to gi3941734 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 6832

cccaaggccg	cggccccgac	gctggggccc	ggagcgggtcc	ccgcgcacag	cgcccggacg	60
cgtagggtccc	gaagtaggcc	cgcgctttgc	ttcgtaactg	gggatctctg	aggacatctt	120
agttctgacc	ttgtggaggc	cgcgtctctg	ctgcgtgttc	gcgggccagt	cgggccactt	180
tgtagaaatc	atagccctct	aaatcaaggg	acgaacgctg	ctggctggag	tttgctggac	240
actttcattc	cacctcctaa	caaagagaat	tcctattcct	tgaggctcct	tggggcagca	300
gttaaagact	acacgatcca	ggagcaccta	ggacctgggg	ccaccttcct	gcccgcctta	360
ttggatggag	cactgcctcc	ccagtttctg	ggacaccttg	gggtgtggcc	ttggtgagtg	420
aaacttgggg	tgctgcctgc	tgggaaggaa	atccggaaac	gcagagagga	ctctctggtg	480
gtgaccacag	ccttgtcaga	tctgagattc	ttggaatctc	agattgtggg	ggtgtggatg	540

```

gtgaatgaat ttgggtatgc ccccttttac cccagaactg aagaggaagc aaactacttg 600
ccacacttga ggctgcatga ctattcagag aagggaggag ccacttctga attcagagta 660
ggactgcatc accaggcaaa tacctgttct gagccagaaa gactctggct tctgaggaga 720
tcctgagagt ctgagtagtg ccaggaagca gcctcagaat ttggggggccc attacacacc 780
ccagccatgt tcctgcgacg gcttggtggc tggctacctc gcccttgggg cgcgcggaaa 840
ccaatgaggc ctgacccgcc ttaccagaaa cccagacggg tggacagctc ctcggagaat 900
tcaggaagtg actgggatag tgccccagaa accatggaag atgtggggca tcccaagact 960
aaggactcgg gggcattgag ggtttctagg gctgcttccg aaccaagcaa ggaggagccc 1020
caagttgagc agctaggagg caaaagaatg gattccctca agtgggacca gcctatctct 1080
agcactcaag agtctgggag actggaggct ggaggggcca gtcccaaact cagatgggat 1140
catgtggatt caggtggcac caggagacca ggggtgtccc ctgaaggggg actcgagcgt 1200
ccctggggcca ggagcccat tggagaaacc tggtaggcgt gagaagctgt tgggctggct 1260
gcggggggaa ccagcgctc cctcccggtta cttggggggc ccagaagagt gtctgcagat 1320
ctccaccaac ctgaccctgc atcttctgga gctgctggcc tctgccctgc tggccctgtg 1380
ctcacgacca ctgcgggcag ccttggcac actgggcctg cgtggaccgc tgggcctctg 1440
gctacatggc ctactgtcct tcctggctgc cctgcatggg ctccatgctg ttctgagcct 1500
acttactgcc caccctttgc acttcgcctg cctctttggt ctctgcagg ccttggtgct 1560
ggctgtcagc ctccgggagc ccaatgggga tgaggcggcc actgactggg agagtgaggg 1620
gttgagagg gaaggtgagg agcagagggg agaccggga aaggggctgt gaccgtgggg 1680
tgggggcaaa ggggtgaagag agtgtgggct ttaggagaaa agtgtgaggc atgacccaaa 1740
ttgtaagcat agggacctca gggatgggga agaaacccga gtacgagggt gcagggcccc 1800
ccttcataca caggagagaa cagaactatt taggggtgtt gtgtttatgg acagtgaggg 1860
cactgctctt ggattcacca gctgttattt ttgcttttac ttttctccca ccttcagttt 1920
ttttttttt tccacctcca ctttttaaaa gcaaaaaaaaa aa 1962

```

```

<210> 6833
<211> 5656
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (137)...(4504)
<223> similar to gil890660 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

```

```

<400> 6833
aattccgggc gccagtcccg ctccgcgccc cgcgcgtccc ctccggctcg ggctccggct 60
cgcctcgggc tgggctcggg ctccgggggg ggtgtccccc gtgccgggtc ccggtatggg 120
tggggacgct ccaaccatgg ccggtgccca ggcgctcggt ttggaactca ccttcagct 180
ctgcgcgccc gagaccgaga ctccggaagt tgggtgcacc ttcgaggagg gaagtgacct 240
agcagtgcc tcgagtaga gccaggccca gtacgatgac ttccagtggg agcaagtgcg 300
aatccacctt ggcacccggg cacctgcgga cctgccccac ggctcctact tgatggtcaa 360
cacttccag catgccccag gccagcgagc ccatgtcatc ttccagagcc tgagcgagaa 420
tgataccac tgtgtgcagt tcagctactt cctgtacagc cgggacgggc acagccggg 480
caccctgggc gtctacgtgc gcgttaatgg gggccccctg ggcagtgctg tgtggaatat 540
gactggatcc cacggccgct agtggcacca ggctgagctg gctgtcagca ctttctggcc 600
caatgaatat caggtgctgt ttgaggccct catctcccca gaccgcaggg gctacatggg 660
cctagatgac atcctgcttc tcagctaccc ctgcgcaaag gcccacact tctccgcct 720
gggcgacgtg gaggtcaacg cgggccagaa cgcgtcgctt cagtgcattg ccgcgggcag 780

```

agcgccgag	gccgaacgct	tcctcttgca	acggcagagc	ggggcgctgg	tgccggcggc	840
ggcggtgcgg	cacatcagcc	acggcgctt	cctggccact	ttcccgtgg	ctgccgtgag	900
ccgcgccgag	caggacctgt	accgctgtgt	gtcccaggcc	ccgcgcggac	gcgggacgtc	960
tctcaacttc	gcggagttta	tggtaagag	ccccaaactc	ccatcgcgcc	cccacagctg	1020
ctgcgtgctg	gccccacctt	cctcatcatc	cagctcaaca	ccaactccat	cattggcgac	1080
gggccgatcg	tgcgcaagga	gattgagtac	cgcatggcgc	gcggggccctg	ggctgaggtg	1140
cacgccgtca	gcctgcagac	ctacaagctg	tggcacctcg	accccgacac	agagtatgag	1200
atcagcgtgc	tgctcacgcg	tcccggagac	ggcggcactg	gccggccctg	gccacccctc	1260
atcagccgca	ccaaatgcgc	agagcccatg	agggcccca	aaggcctggc	ttttgctgag	1320
atccaggccc	gtcagctgac	cctgcagtgg	gaaccactgg	gctacaacgt	gacgcgttgc	1380
cacacctata	ctgtgtcgct	gtgctatcac	tacaccctgg	gcagcagcca	caaccagacc	1440
ataccgagag	tgtgtgaaga	cagagcaagg	tgtcagccgc	tacacatga	agaacctgct	1500
gccctatcgg	aacgttcacg	tgaggcttgt	cctcactaac	cctgaggggc	gcaaagaggg	1560
caaggagggtc	actttccaga	cggtatgagg	tgtgccagt	gggattgcag	ccgagtcctt	1620
gaccttcact	ccactggagg	acatgatctt	cctcaagtgg	gaggagcccc	aggagcccaa	1680
tggctcatc	accagtatg	agatcagcta	ccagagcatc	gagtcatcag	acccggcagt	1740
gaacgtgcca	ggcccacgac	gtaccatctc	caagctccgc	aatgagacct	accatgtctt	1800
ctccaacctg	caccagggca	ccacctacct	gttctccgtg	cgggcccgc	caggcaaagg	1860
cttcggccag	gcggcactca	ctgagataac	cactaacatc	tctgctccca	gctttgatta	1920
tgccgacatg	ccgtcacccc	tgggcgagtc	tgagaacacc	atcacctgct	tgctgaggcc	1980
ggcacagggc	cgcggtgcgc	ccatcagtgt	gtaccagggtg	attgtggagg	aggagcaggg	2040
cagcaggagg	ctgcggcggg	agccagggtg	acaggactgc	ttcccagtgc	cattgacctt	2100
cgaggcgggc	ctggcccag	ggctgggtgga	ctacttcggg	gccgaactgg	cgccagcag	2160
tctacctgag	gccatgccct	ttaccgtggg	tgacaacaag	acctaccgag	gcttctggaa	2220
cccaccactt	gagcctagga	aggcctatct	catctacttc	caggcagcaa	gccacctgaa	2280
gggggagacc	cggtgaatt	gcatccgcat	tgccaggaaa	gctgcctgca	aggaaagcaa	2340
gcggcccctg	gaggtgtccc	agagatcgga	ggagatgggg	cttatcctgg	gcatctgtgc	2400
aggggggctt	gctgtcctca	tccttctcct	gggtgccatc	attgtcatca	tccgcaaagg	2460
gagagaccac	tatgcctact	cctactaccc	gaagccggtg	aacatgacca	aggccaccgt	2520
caactaccgc	caggagaaga	cacacatgat	gagcgccgtg	gaccgcagct	tcacagacca	2580
gagcacccctg	caggaggaag	agcggtctgg	cctgtccttc	atggacaccc	atggctacag	2640
cacccgggga	gaccagcgca	gcgggtgggt	cactgaggcc	agcagcctcc	tggggggctc	2700
cccgaggcgt	ccctgtggcc	ggaagggtct	cccataccac	acggggcagc	tgcaccctgc	2760
ggtgcgtgtc	gcagaccttc	tgcagcacat	caaccagatg	aagacggccg	agggttacgg	2820
cttcaagcag	gagtatgaga	gcttctttga	aggctgggac	gccacaaaga	agaaagacaa	2880
ggtcaagggc	agccggcagg	agccaatgcc	tgcctatgat	cggcacccgag	tgaaactgca	2940
cccgatgctg	ggagaccca	atgccgacta	cattaatgcc	aactacatag	atattcggtat	3000
aaaccgagaa	ggttaccaca	ggtcaaacca	cttcatagcc	actcaagggc	cgaagcctga	3060
gatggtctat	gacttctggc	gtatggtgtg	gcaggagcac	tgttccagca	tcgtcatgat	3120
caccaagctg	gtcgagggtg	gcagggtgaa	atgctcacgg	tactggccgg	aggactcaga	3180
cacctacggg	gacatcaaga	ttatgctggt	gaagacagag	acctggctg	agtatgtcgt	3240
gcgcactttt	gccctggagc	ggagaggcta	ctctgcccgg	cacgagggtcc	gccagttcca	3300
cttcacagcg	tggccagagc	atggcgctcc	ctaccatgcc	acggggctgc	tggctttcat	3360
ccggcgcggtg	aaggcttcca	ccccacctga	tgcggggccc	attgtcatcc	actgcagcgc	3420
gggcaccggc	cgcacagggt	gctatatcgt	cctggatgtg	atgctggaca	tggcagagtg	3480
tgagggcgctc	gtggacattt	acaactgtgt	gaagactctc	tgctcccggc	gtgtcaacat	3540
gatccagact	gaggagcagt	acatcttcat	tcatgatgca	atcctggagg	cctgcctgtg	3600
tggggagacc	accatccctg	tcagtgaagt	caaggccacc	tacaaggaga	tgatccgcat	3660
tgatcctcag	agtaattcct	cccagctgcg	ggaagagttc	cagacgctga	actcggctac	3720
ccgcgcgctg	gacgtggagg	agtgcagcat	cgccctgttg	ccccggaacc	gcgacaagaa	3780
ccgcagcatg	gacgtcctgc	cgcccagacc	ctgcctgccc	ttcctcatct	ccactgatgg	3840
ggactccaac	aactacatta	atgcagccct	gactgacagc	tacacacgga	gtgcggcctt	3900
catcgtgacc	ctgcacccgc	tgcagagcac	cacgcccagc	ttctgggggc	tggctctacga	3960
ttacgggtgc	acctccatcg	tcatgtctcaa	ccagctgaac	cagtccaact	ccgcctggcc	4020
ctgcctgcag	tactggccag	agccaggccg	gcagcaatat	ggcctcatgg	aggtggagtt	4080
tatgtcgggc	acagctgatg	aagacttagt	ggctcgagtc	ttccgggtgc	agaacatctc	4140
tcggttgag	gaggggcacc	tgctggtgcg	gcacttccag	ttcctgcgct	ggtctgcata	4200

```

ccgggacaca cctgactcca agaaggcctt cttgcacctg ctggctgagg gggacaagtg 4260
gcaggccgag agtgggggatg ggcgcaccat cgtgcactgc ctaaaccgggg gaggacgcag 4320
cggcaccttc tgcgccctgc gccacgggtcc tggagatgat ccgctgccac aacttgggtg 4380
acgtttttctt tgctgccaaa accctccgga actacaaacc caacatgggtg gagaccatgg 4440
atcagtaacca cttttgctac gatgtggccc tggagtactt ggaggggctg gagtcaagat 4500
agcggggccc tggcctgggg caccactgc acactcaggg ccagacccac catcctggac 4560
tggcgaggaa gatcagtgcc tcctgctctg cccaaacaca ctcccatggg gcaagcactg 4620
gagtggatgc tgggctatct tgcctcccct tccactgtgg gcagggcctt tcgcttgtcc 4680
catgggcggg tgggtggcca aggaggagct tagcaagtct gcagcccagc cccacctcca 4740
tagggtcctg caggcctgtg ctgagaggcc tgggtgctgcc tggcagagtg acaaaggctc 4800
aggacggctg gctctggggg actcaggcca agccccttg caccatcctg gcttttggca 4860
gggatgagtg aggccctgca gagagcatcc caggccaagg ttccactca gcctgcccc 4920
tctgcatgtg ggtagaggat gtactgggac ttggcattta ggattccatc tggcccagcc 4980
cctgaagggtc ctggggaagc aggtctcaat tctgaatagc cagtggggca cactgactgt 5040
ccctccccag gggaaactgca gcgccccctc tccccactgc cccctgcaac cccctgagat 5100
attttgcctc ctatcccctc ccccaacttg ttccttgata tgtgctctga gcttccctga 5160
accaggatct gcctattact gctgtgcccc atggggggct ccttccctgc ctgacccact 5220
gttgacagat gaagtacact cgccccctc ttcctttaat cttcaggcct cactggcctg 5280
tcctgctcag cttggggccag tgacaatctg caaggctgaa caacagcccc tgggggttgg 5340
gcccctgtgg ctcttggtca ggctgcccgt tgtggggagg ggcagtgtta gagcagggct 5400
ggtcataccc tctggagttc agaggaagag gtaggaccag tgcttttttg tttcttttgt 5460
tatttttggg tgggtgggtg ggaagggtct tttaaaatgg ggcaggccac acccccattc 5520
cgtgcctcaa tttccccatc tgtaaactgt agatatgact actgacctac ctgcagggg 5580
gctgtgggga ggcataagct gatgtttgta aagcgctttg taaataaacg tgctctctga 5640
atgcctaaaa aaaaaa 5656

```

```

<210> 6834
<211> 2735
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2285)...(1152)
<223> similar to gi5921491 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 6834
tttttttgtt ttttattttt tctttttaag tttgattttt tttatttcaa aatgctttgc 60
aattaaatga attactgttc agaagtctcc cacttttcat acaaaaatac tgtgctactg 120
atacagttga aaaaattcaa tgatgtctct cctgcaggag aaattcacag catccccagg 180
gtcaacatga aatctggccc tgtccccgcc actgggggct cccaggcct gcgttccctga 240
taaactggga caggttttcc aggcaactgac caactatoca ccaagggtcc tctgcctcca 300
agacagaccc tgaatcaata gcagcaactt tcccatattt catgtaggga tatgtggagg 360
gggacaggaa ctctccatt tccccagctg ggccactac ctgcctgcc tgttactct 420
ggtgccatga ggcaggttca gtgattgatt ggtcttgct gctgcagagg acctggccag 480
ctccagaagg gtcactcatc aggtcctgca aaggtctgta tcattaatca gtgtcatcag 540
tgtcctcaga agacactagc agagtccagg gtgatgcgtt cagccacaag cacaagact 600
gctttttcta aagagcagga tgagggtgat gtgggaacgg aaagcagttg tcacgaaggc 660
tgtgtggctc tgctggggga gaggcatcca cagtctgtgc caaggaggta cctcaccctg 720

```

tgcagcagga	gcgttaaggc	caaaaaacaa	aagggggccaa	cagaaaaacag	ctcaggtgat	780
gggggggagga	gcagcaagaa	aaaacgacaa	ccgagaccaa	ctgaagggttc	ggtcaggaat	840
gcaggctctt	ccgtctatac	agtgtttaaa	aagatccaaa	tgtgactgag	atcattccag	900
cctgcacttt	ttatttgtag	gcagaaggaa	cgggataggt	tgaggggcat	gacgggggct	960
ctcgccacct	cttgtctgca	cctctggaac	aggtgggagc	cgaatcattc	aagtcctacc	1020
tggtcagact	cccaaccacg	ctgaggcagg	cccttacctt	ggattgcctc	atgggcctcc	1080
ctcttgaaaa	agaccctcac	tctgtttgga	aaagatccct	tagcagccat	aatcaggaaa	1140
gagactctag	agcgagccca	gggcttcccc	aaagcggatt	ttctgtcctg	ttttcagctg	1200
gaaattgaag	tccttggggg	cctcgaagat	gagcacgatg	gtggagccca	ggttgaaact	1260
cgccccaggt	gctcgcccct	taacgccatg	gggacgccct	ctctatttgt	gtgcgtcacg	1320
aagctgaagt	cattgtagga	gcccttgctg	tgccttgggc	tgtttggtgtg	caggtcccgg	1380
tcaaagtaga	tgcgaatgga	gccccagttg	gggtggcccc	acagctgtca	gtgagaagaa	1440
gccatgtttc	cagtcctccg	tcaggaccac	ccgctcggtt	tggcagaaga	gctctttgat	1500
ccagcgagcc	atgccagggt	tcactgacat	cagggagcct	gggaagtggc	gccgggtggga	1560
cacagtccag	tcggtggggg	agtgggaagca	gtggtagtcc	ccagggggcca	ggtagatgac	1620
acagtgatag	agctcattcc	cttcccgggt	gaccagctgg	ttcttgaagg	agtcacacga	1680
cgcggtctgt	gggaagggca	ggtcctctgt	gcacatacgc	ggggccagga	acgactccag	1740
ggagtaggtg	acccccctta	cctgctccac	ctcacagttc	ttcacctgcc	caaagttgag	1800
gatccttcca	tccgatgggc	taatcacgct	gtgcaggcca	cagacaggcc	gggcctgcgg	1860
cttcagcttg	cgccggaaga	actcgctgag	gttgcggtag	tgatgcaggt	cctccacagc	1920
ggcctctttc	atgttcaccc	caaacgtcca	gatgtacagg	ctgtagacgg	gcctgcgcag	1980
ccagtgtggc	agctccacct	gattgaggcg	accccaggcc	cgtgacagca	agcgcgttgg	2040
cactgacttg	tacaaagcca	ccctgcttac	gggcctccat	cccacccggc	tgagcgggtct	2100
gagggcgccg	aagggcagga	ggtagtagag	gacgggtcaag	ggccaggagc	gcagtttcag	2160
agcgggtctg	gacatgcagc	tcagctgccc	cagcctccgc	ctcagggcca	gctgggggaa	2220
gtgcaaccat	ttcgccgcgc	ggagetctgg	tccttgccgc	gcctctgact	gacacatcat	2280
gggcccgcgc	agggaggggc	gggcgaggct	cactcgatca	ctccctttgt	tttcctcttt	2340
cctccccctt	ccccgagcca	gcagatctcc	tgtgctgtca	ctgctccagg	gcctctgcct	2400
ctgcgaggct	ggttggtggc	gccgcttcct	gggtttggtt	cagtctcggt	ggctcacagg	2460
ctgcagaata	gagggtcagg	gccgcgcccc	gcaggagata	agatgtggag	gaagtgaagt	2520
cacgcagccc	gggcccgtgc	cacgtggggc	cggaaaaaaa	gcccacgact	cgctcaacct	2580
tgtccgcggg	gtccttcagg	ccggggccgc	gtcgtcacag	ctgggagagc	ccacctgcga	2640
ccgaaggccc	tagaagggca	ccccaccccg	gcactggccc	tctgagcggg	caggggtggg	2700
cgcctccctg	agaagtcacc	tggggctcca	cgaaa			2735

<210> 6835

<211> 716

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (655)...(253)

<223> similar to gi23396 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 6835

tttttttttt	ttcacagcag	caccagaaac	atatacactt	tattgaatgc	cattgtagaa	60
aagcgtgtga	ggataaaggg	ctgatgcagg	actcggctgt	ggggacaggg	cgaggaatgg	120
aaggtggagt	aagtggaata	caggtcaagg	gcagagctcc	tggcctctgg	gggcagggcg	180



aggaatggaa	gatagagtac	gtgggataca	ggtcacgggc	agagctcctg	gcctcaatga	240
tgcctcctga	tctatcgctg	ggcctggacg	accaacactg	ggatgatgat	gagcagaatg	300
gtcatgaaga	tgcccaaaat	cagggcccag	atgttcaggc	acttggcggg	ggaggcatag	360
gcctggggccc	cggtcacgtc	gccaaccatc	ttcctgtccc	tagacttcac	ggagtacgcg	420
aatgctatga	agcccaggca	gcagggtgttc	atgaagaggg	tgttgaacag	ggaccagacg	480
acatggtcag	gcacggaggt	ctcgctgcgg	atgtggatca	cggtggacat	cgggggagca	540
gggttggtggg	gcgccccccag	catagccact	tcctgtctcct	ccttgagcat	ctcgtagttg	600
ggaggctggc	cggtctgttg	caggagagaa	ggtttgcaac	aatgtgggtc	atgggtgacca	660
agcgggtgatc	gggggtaacc	gggatgggtt	ctcaatggag	ccccttcctt	tttccc	716

<210> 6836  
 <211> 2849  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(2850)  
 <223> n = a,t,c or g

<220>  
 <221> misc\_feature  
 <222> (2630)...(892)  
 <223> similar to gi458436 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 6836	
tttttttttt	ttagttcaat atgattttat ttaaaaatgt gtacagctga aggagggatc 60
tgatcttttg	ttaaataaaa ccaattttca cggatatatat ttggccattt tagcttcgta 120
gtgaataata	ccagaaaagg aagtttctgt tcaagatcct cactccagca cactcagcca 180
ggtgcctggg	caagatgaca catttctctg tctgaagctc acaggccaat cctctcactg 240
aagtgaataa	ccaattctcc aggcatacac acacatacgc acatcttatt ttcactgctc 300
tacacaggga	cctgagaatc cttaatttta aagttgggaa aaacgtgaaa ggatttcctta 360
actcattgtc	tgcgacaaat ccaactacct gttaactctt aacaattgca agtataaaaat 420
acttgaaatt	tacaagatgc tccattttaat ggaacaactc aaatgctaaa aaatttaggtc 480
aaataacatg	ctttaatat tttaaatgtt acttaaaaaa ttatttgaga caagatacgg 540
cagcacattt	cttggtatta taaacatcac atactgacga ctgcatactt gatggccaat 600
aagattttaa	gaaagataat aaaccatact ggtatacaac aatatctgca gggaatgtca 660
tgttttacat	tttggttaact gaaattaaac ctgacaaaaa aaccaaagat ctacaaaacc 720
gacacccatg	tcatttttaa tgatgaggta gattgtttcc tatgcagtaa agtgaagata 780
aaaaaaaaat	ccatacaact tccaaatcct ctttaaaaaa aaaaaaaagt tgggttatag 840
tcactttcac	aaacaagaca ttcataaact ataagggtgga gaggtcatac tcaggcaggt 900
tctgtacttg	atgtgttact tggagattca ataatacagtc ttgggtcaat caactctttc 960
caaaatacag	tgatcttgct ctctgtgtc acagcgtact ccaactacct ggctccattt 1020
tcattgtgat	aaactaaatc aaatttcccc aggttctcct caaaggcagg taaggatgaa 1080
agaattttct	tatctacttg ctgggtctct ggattgtggc ttaatatattc tccttccttg 1140
tagtcagaga	catcaggaga gtaactggat gttagctcca aaagcttaaa tgcaatcttt 1200
tctccaactt	gaggggagc tgctaacagt ggtaacagac tatagtcctt cttgggtgtc 1260
tctactggat	tctggataat agtagatgaa ttttttacca cgtcatttaa ttgctgttgc 1320
ctctggttgt	cagtgtctct atttacaaca caggaaacag gatgccctcg tcctcgacct 1380

ctccccgcga	tgccccgtcc	cttagctccc	ttccaagaaa	aaaggttctc	ttctctaccc	1440
catactcttc	ctaaactagc	agggagagac	acactgggag	aagcaccagg	agcctgtcca	1500
ccaccatttg	agccagaacg	cctccatcca	gcagcacctg	cagtctgtga	tgacagccct	1560
gggcttgac	gacctcttcc	tgcaaaaagg	cctactgtct	ttaagaaacc	cgcagcacac	1620
tccggggtgc	tcgatgacat	caagcattgg	tcgtctgact	ctgcactaga	gtctgaactg	1680
gaaagatggt	gttccagagg	tcttgccctt	gctgggggta	aggctaaagc	caagttttat	1740
agccagtttg	tctgcagttg	tatttttggt	agagggttct	tcctttgata	actcagttgg	1800
taattttctct	gaggaatttc	tggcctccaa	agtgactttg	ctgggaccat	cactgataga	1860
ttcatcacaa	gactcagact	ccgaggagga	actgggactc	tcttttgagc	aaacgcttac	1920
actacctttc	cttttggtt	taacaaggct	gtttctagca	gaaccttttg	gagaactaca	1980
tctctgattg	gcccagttct	tcactgcctg	tactttcgga	gacttgggat	tcttagcctt	2040
ttttttatat	tcacattttct	cctttttctt	tggtgatttt	cttttggcct	cttcgttatc	2100
atcaccctact	gtgccacagg	ttgctttatt	ttttctcttg	ttttttttgc	tgacagtctg	2160
atctgtgaca	gcttttggtt	ccagatccaa	gacctttctca	ttattgttat	tgttctctcg	2220
actcttccaa	tgcttctttg	aatattttgca	atctggttca	gtttctttcac	cctcctctaa	2280
ctgaaatgcc	cgcttctttg	cttttctaaag	agataaatta	atgtcaccat	tactgatgac	2340
tacagaattc	tcagcaactc	ctctctcttc	taatttaact	ctgaggcagt	cgttgtctct	2400
cacaaggcgc	gcgctctcgg	cgggggggcaa	gagccccccc	tccaggtaga	ggcctaggaa	2460
ggccccagaa	ctgaagccga	agcgctggcg	gatgagacta	atgagatctg	tgacgactcg	2520
gcatctgttc	aagtcgacca	gaagccagaa	ggccgtacag	tgcggggtag	ctggcggcgg	2580
gtaatcaaat	tgaagccgta	gcctaaccgt	ctcggaagct	gccatcttgc	ttggtgctca	2640
acggaagccg	agagatacca	cggngccacc	gagaggcgtg	ctcgggcggc	tcgccccgcg	2700
cggagccttt	ggcgtgtgcc	acctagtggt	gaaaactggc	tactacaggc	tgctctaggg	2760
cgagaactcg	gagcgttggt	gatttcattc	aatttttgtc	acggcagggc	tgaggaaggg	2820
aataagttga	atgctttatt	acattttcta				2880

```
<210> 6837
<211> 2982
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (506)...(2055)
<223> similar to gi3513303 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```

5510

gagctgtccc	caggaatgtc	cagccgtatg	tgggtgacga	ggaggtcacc	aacgtctgga	780
tcaatgttca	tgacatcttc	tatcccttcc	cccaatcaga	gggagaggac	gagctctgct	840
ttctccgcgc	caatgaatgc	aagaccggct	tctgccattt	gtacaaagtc	accgccgttt	900
taaaatccca	gggctacgat	tggagtgagc	ccttcagccc	cggggaaggt	gagcagagcc	960
tgacgaatgc	tatctgggtc	aatgaggaga	ccaagctggt	gtacttccag	ggcaccaagg	1020
acacgccgct	ggagcaccac	ctctacgtgg	tcagctatga	ggcggccggc	gagatcgtac	1080
gcctcaccac	gcccggcttc	tcccatagct	gctccatgag	ccagaacttc	gacatgttcg	1140
tcagccacta	cagcagcgtg	agcacgccgc	cctgcgtgca	cgtctacaag	ctgagcggcc	1200
ccgacgacga	ccccctgcac	aagcagcccc	gcttctgggc	tagcatgatg	gaggcagcca	1260
agatcttcca	tttccacacg	cgctcggatg	tgcggtctta	cggcattgatc	tacaagcccc	1320
acgccttgca	gccagggaag	aagcacccca	ccgtcctctt	tgtatatgga	ggcccccagg	1380
tgacgtgggt	gaataactcc	ttcaaaggca	tcaagtactt	gcggtcaac	acactggcct	1440
ccctgggcta	cgccgtggtt	gtgattgacg	gcaggggctc	ctgtcagcga	gggcttcggt	1500
tcgaagggcg	cctgaaaaac	caaattgggc	aggtggagat	cgaggaccag	gtggagggcc	1560
tgagtttcgt	ggccgagaag	tatgcttcca	tcgacctgag	ccgagttgcc	atccattggt	1620
ggtcctacgg	gggtctctct	tcgctcatgg	ggctaattca	caagccccag	gtgttcaagg	1680
tggccatcgc	gggtgccccg	gtcacctgtc	ggatggccta	cgacacaggg	tactactgagc	1740
gctacatgga	cgtccctgag	aacaaccagc	acggctatga	ggcgggttcc	gtggccctgc	1800
acgtggagaa	gctgccccat	gagcccaacc	gcttgcttat	cctccacggc	ttcctggacg	1860
aaaacgtgca	ctttttccac	acaaaacttc	tcgtctccca	actgatccga	gcagggaaac	1920
cttaccagct	ccaggtggcc	ctgcctcctg	tctccccgca	gatctacccc	aacgagagac	1980
acagtattcg	ctgccccgag	tcgggcgagc	actatgaagt	cacgttgctg	cactttctac	2040
aggaatacct	ctgagcctgc	ccaccgggag	ccgccacatc	acagcacaag	tggctgcagc	2100
ctccgcgggg	aaccaggcgg	gagggactga	gtggcccgcg	ggccccagtg	aggcactttg	2160
tcccgccccag	cgctggccag	ccccgaggag	ccgctgcctt	caccgccccg	acgcctttta	2220
tcctttttta	aacgctcttg	ggttttatgt	ccgctgcttc	ttggttgccg	agacagagag	2280
atggtgggtct	cgggccagcc	cctcctctcc	ccgccttctg	ggaggaggag	gtcacacgct	2340
gatggggact	ggagaggcca	gaagagactc	agaggagcgg	gctgccttcc	gcctggggct	2400
ccctgtgacc	tctcagtcct	ctggcccggc	cagccaccgt	ccccagcacc	caagcatgca	2460
attgcctgtc	ccccccggcc	agcctcccc	acttgatgtt	tgtgttttgt	ttggggggat	2520
atttttcata	attatttaaa	agacaggccg	ggcgcggtgg	ctcacgtctg	taatcccagc	2580
actttgggag	gctgaggcgg	gcggatcacc	tgaggttggg	agttcaagac	cagcctggcc	2640
aacatgggga	aaccccgtct	ctactaaaaa	tacaaaaaat	tagccgggtg	tgggtggcgcg	2700
tgctataaat	ccagctact	ctggaggctg	aggcaggaga	atcgcttgaa	cccgggaggt	2760
ggaggtttcg	gtgagccaag	atcgaccat	tgcactccag	ctctgggcaac	aagacgaaa	2820
ctctgtctca	aaataaataa	aaaataaaaag	acagaaagca	aggggtgcct	aaatctagac	2880
ttgggggtcca	caccgggcag	cgggggttgca	accagcacc	tggtaggctc	catttcttcc	2940
caagccccgag	cagagggtca	tgcggggccc	acaggagaag	cg		2982

<210> 6838

$\langle 211 \rangle$  1120

<212> DNA

<213> Homo sapiens

 $\langle 220 \rangle$ 

<221> misc feature

$$\langle 222 \rangle \quad (109) \dots (918)$$

```
<223> similar to gil066392 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters
```

004837.03460

```
<400> 6838
gttatgtgtt cccgtccgta ctggaggcta gctcttgtcg cggccgcggc gagttaacat   60
cgtttttcca atctgtccgc ggctgccgcc acccaagaca gagccagaat gttcaggatg   120
ctgaacagca gttttgagga tgaccccttc ttctctgagt ccattcttgc acaccgagaa   180
aatatgcgac agatgataag aagtttttct gaaccctttg gaagagactt gctcagtatc   240
tctgatggta gagggagagc tcataatcgt agaggacata atgatgggtga agattctttg   300
actcatacag atgtcagctc tttccagaca atggaccaa tgggtgtcaaa tatgagaaac   360
tatatgcaga aattagaaag aaacttcggt caactttcag tggatccaaa tggacattca   420
ttttgttctt cctcagttat gacttattcc aaaatagggg aataacccgc aaaagggttt   480
tgcaggcctc aactcaaact cgtcgagctc caggaggaat aaaggaaacc aggaaagcaa   540
tgagagattc tgacagtgga ctagaaaaaa tggctattgg tcatcatatc catgaccgag   600
ctcatgtcat taaaagtca aagaacaaga agactggaga tgaagaggtc aaccaggagt   660
tcatcaatat gaatgaagc gatgctcatg cttttgatga ggagtggcaa agtgaggttt   720
tgaagtacaa accccgggac gacacaatct aggaacact agaattgagaa gtgttggcca   780
tgagaatcct ggctcccgag aacttaaaag aaggggagaaa cctcaacaaa gtccagccat   840
tgaacatgga aggagatcaa atgttttggg ggacaaactc cacatcaaag gctcatctgt   900
gaaaagcaac aaaaaataaa tagccatgca tttgatttgt ttagttttga ttgttttaac   960
agttagtaat ggtgctgggt aataagcata agaccaatct cttgctgtta aatcagttct  1020
gtccttggca actttcttct gatatctgaa tgttcatgaa ggtcctagct ttatatattgc  1080
cctcttttag gaataaaatt ttgattttca acaaaaaaaa  1120
```

```
<210> 6839
<211> 3584
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (14)...(3369)
<223> similar to gi416178 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```

```
<400> 6839
cggacgcgtg ggggcgcgga gcccgggacg cgcgtacgcc ctgctgcttc tctgatctg   60
ctttaacgtt ggaagtggac ttcacttaca ggtcttaagc acaagaaatg aaaataagct   120
gcttcctaaa catcctcatt tagtgcgga aaagcgcgcc tggatcaccg ccccggtggc   180
tcttctggag ggagaggatc tgtccaaaaa gaatccaatt gccaaagatac attctgatct   240
tgcagaagaa agaggactca aaattactta caaatacact ggaaaaggga ttacagagcc   300
accctttggt atatttgtct ttaacaaaga tactggagaa ctgaatgtta ccagcattct   360
tgatcgagaa gaaacaccat ttttctgct aacaggttac gctttggatg caagaggaaa   420
caatgtagag aaacccttag agctacgcat taaggttctt gatatcaatg acaacgaacc   480
agtgttcaca caggatgtct ttgttgggtc tgttgaagag ttgagtgcag cacatactct   540
tgtgatgaaa atcaatgcaa cagatgcaga tgagcccaat accctgaatt cgaaaatttc   600
ctatagaatc gtatctctgg agcctgctta tcctccagtg ttctacctaa ataaagatac   660
aggagagatt tatacaacca gtgttacctt ggacagagag gaacacagca gctacacttt   720
gacagtagaa gcaagagatg gcaatggaga agttacagac aaacctgtaa aacaagctca   780
agttcagatt cgtatttttg atgtcaatga caatatacct gtagtagaaa ataaagtgtc   840
tgaagggatg gttgaagaaa atcaagtcaa tgtagaagtt acgcgcataa aagtgttcga   900
tgcagatgaa ataggttctg ataattggct ggcaaatttt acatttgcat caggaaatga   960
aggaggttat ttccacatag aaacagatgc tcaaactaac gaaggaattg tgacccttat  1020
```

taaggaagta	gattatgaag	aatgaagaa	tcttgacttc	agtgttattg	tcgctaataa	1080
agcagctttt	cacaagtcga	ttaggagtaa	atacaagcct	acacccattc	ccatcaaggt	1140
caaagtgaag	aatgtgaaag	aaggcattca	ttttaaaagc	agcgtcatct	caatttatgt	1200
tagcgagagc	atggatagat	caagcaaagg	ccaaataatt	ggaaattttc	aagcttttga	1260
tgaggacact	ggactaccag	cccatgcaag	atatgtaaaa	ttagaagata	gagataattg	1320
gatctctgtg	gattctgtca	catctgaaat	taaacttgca	aaacttcctg	attttgaatc	1380
tagatatgtt	caaaatggca	catacactgt	aaagattgtg	gccatatcag	aagattatcc	1440
tagaaaaacc	atcactggca	cagtccttat	caatgttgaa	gacatcaacg	acaactgtcc	1500
cacactgata	gagcctgtgc	agacaatctg	tcacgatgca	gagtatgtga	atgttactgc	1560
agaggacctg	gatggacacc	caaacagtgg	ccctttcagt	ttctccgtca	ttgacaaacc	1620
acctggcatg	gcagaaaaat	ggaaaatagc	acgccaagaa	agtaccagtg	tgctgctgca	1680
acaaagttag	aaaaagcttg	ggagaagtga	aattcagttc	ctgatttcag	acaatcaggg	1740
ttttagtgtg	cctgaaaagc	aggtccttac	actcacagtt	tgtgaggttc	tgcatggcag	1800
ccggctgcag	ggaagcacag	catgactcct	atgtgggcct	gggaccgcga	gcaattgcgc	1860
tcatgatttt	ggcctttctg	ctcctgctat	tgggtaccact	tttactgctg	atgtgccatt	1920
gcggaaaggg	cgccaaaggc	tttaccacca	tacctggcac	catagagatg	ctgcactcct	1980
ggaataatga	aggagcacca	cctgaagaca	aggtggtgcc	atcatttctg	ccagtggatc	2040
aagggggcag	tctagtagga	agaaatggag	taggaggtat	ggccaaggaa	gccacgatga	2100
aaggaagtag	ctctgcttcc	attgtcaaag	ggcaacatga	gatgtccgag	atggatggaa	2160
ggtgggaaga	acacagaagc	ctgctttctg	gtagagctac	ccagtttaca	ggggccacag	2220
gcgctattca	tgaccactga	aaccacgatt	accgcaaggg	ccacaggggc	ttccagagac	2280
gtggccggag	ctcaggcgag	tgctgttgca	ctgaacgaag	aattcttaaa	aaattatttc	2340
actgataaag	cggcctctta	cactgaggaa	gatgaaaatc	acacagccaa	agattgcctt	2400
ctggtttatt	ctcaggaaga	aactgaatcg	ctgaatgctt	ctattggttg	ttgcagcttt	2460
attgaaggag	agctagatga	ccgcttctta	gatgatttgg	gacttaaatt	caagacacta	2520
gctgaagttt	gcctgggtca	aaaaatagat	ataaataagg	aaattgagca	gagacaaaaa	2580
cctgccacag	aaacaagtat	gaacacagct	tcacattcac	tctgtgagca	aactatgggt	2640
aattcagaga	atacctactc	ctctggcagt	agcttcccag	ttccaaaatc	tttgcaagaa	2700
gccaatgcag	agaaagtaac	tcaggaaata	gtcactgaaa	gatctgtgtc	ttctaggcag	2760
gcgcaaaagg	tagctacacc	tcttcctgac	ccaatggctt	ctagaaatgt	gatagcaaca	2820
gaaacttcct	atgtcacagg	gtccactatg	ccaccaacca	ctgtgatcct	gggtccttagc	2880
cagccacaga	gccttattgt	gacagagagg	gtgtatgctc	cagcttctac	cttggtagat	2940
cagccttatg	ctaataagg	tacagttgtg	gtcactgaaa	gagtaataca	gcctcatggg	3000
ggtggatcga	atcctctgga	aggcactcag	catcttcaag	atgtacctta	cgcatggtg	3060
agggaaagag	agagcttcct	tgcccccagc	tcagggtgtg	agcctactct	ggccatgcct	3120
aatatagcag	taggacagaa	tgtgacagtg	acagaaagag	ttctagcacc	tgcttccact	3180
ctgcaatcca	gttaccagat	tcccactgaa	aattctatga	cggctaggaa	caccacggtg	3240
tctggagctg	gagtccttgg	ccctctgcca	gattttgggt	tagaggaatc	tggtcattct	3300
aattctacca	taaccacatc	ttccaccaga	gtcaccaagc	atagcactgt	acagcattct	3360
tactcctaaa	cagcagtcag	ccacaaactg	acccagagtt	taattagcag	tgactaattt	3420
catgtttcca	atgtacctga	tttttcatga	gccttacaga	cacacagaga	cacatacaca	3480
ttgatcttaa	aatttttctc	agtcactgat	atgcaaagga	ccacactgtc	tctgcttcca	3540
ggagtatttt	agaaatgttc	cacaattttac	tgaagacata	gaga		3584

<210> 6840

<211> 3063

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (37)...(1792)

<223> similar to gi633870 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 6840

ctgctgctcc	tcctcctttc	ccagcccgcc	gcggccatgg	cggacagcgc	cagcgagagc	60
gacacggacg	gggcgggggg	caacagcagc	agctcggccg	ccatgcagtc	gtcctgctcg	120
tcgacctcgg	gcggcggcgg	tggcggcggg	ggaggcgggc	gcggtgggaa	gtcggggggc	180
attgtcatct	cgccgttccg	cctggaggag	ctcaccaacc	gcctggcctc	gctgcagcaa	240
gagaacaagg	tgctgaagat	agagctggag	acctacaaac	tgaagtgcaa	ggcactgcag	300
gaggagaacc	gcgacctgcg	caaagccagc	gttaccatcc	aagccagggc	tgagcaggaa	360
gaagaattca	ttagtaacac	tttattcaag	aaaattcagg	ctttgcagaa	ggagaaagaa	420
acccttgctg	taaattatga	gaaagaagaa	gaattcctca	ctaattgagct	ctccagaaaa	480
ttgatgcagt	tgagcatga	gaaaggcgaa	ctagaacagc	atcttgaaca	agagcaggaa	540
tttcaggtca	acaaactgat	gaagaaaatt	aaaaaactgg	agaatgacac	cattttctaag	600
caacttacat	tagaacagtt	gagacgggag	aagattgacc	ttgaaaatac	attggaacaa	660
gaacaagaag	cactagttaa	tcgcctctgg	aaaaggatgg	ataagcttga	agctgaaacg	720
cgaatcctgc	aggaaaaatt	agaccagccc	gtctctgctc	caccatcgcc	tagagatatc	780
tccatggaga	ttgattctcc	agaaaatatg	atgcgtcaca	tcagggtttt	aaagaatgaa	840
gtggaacggc	tgaagaagca	actgagagct	gctcagttac	agcattcaga	gaaaatggca	900
cagtatctgg	aggaggaacg	tcacatgaga	gaagagaact	tgaggctcca	gaggaagctg	960
cagagggaga	tggagagaag	agaagccctc	tgtcgacagc	tctccgagag	tgagtccagc	1020
ttagaaatgg	acgacgaaag	gtattttaat	gagatgtctg	cacaaggatt	aagacctcgc	1080
actgtgtcca	gcccgatccc	ttacacacct	tctccgagtt	caagcaggcc	tatatcacct	1140
ggtctatcat	atgcaagtca	cacggttggg	ttcacgccac	caacttcact	gactagagct	1200
ggaatgtcct	attacaattc	cccgggtcct	cacgtgcagc	acatgggaac	atcccatggg	1260
atcacaaggc	cttcaccacg	gagaagcaac	agtccctgaca	aattcaaacg	gcccacgccc	1320
cctccatttc	ccaacacaca	gaccccagtc	cagccacctc	caccttcacc	tccgccaccc	1380
atgcagccca	cgggtcccctc	agcagccacc	tcgcagccca	ctccttcgca	acattcggcg	1440
cacccctcct	cccagcctta	atgcatgagc	ttagtctgaa	tttcaagatg	ggactcatcc	1500
aatggagccg	tctactcaac	gccaaaggct	tccttctctg	gcatatttgg	atatgactta	1560
tttgactga	ggttatctag	gcttcactat	ccatttgtgt	gtaaatgttt	gtcagaaatg	1620
cagccagtg	tgtgggtcta	caacactaac	cagacgactt	tttccatcag	tgttttactt	1680
gaatcttcat	gtacgtccat	tccttggtcg	gaaccttcgc	tgtttggtat	ttggtatttc	1740
agcagcagtg	tgcaattttt	gcttggtcca	gagcttcatt	ctcctggctt	ttagggttgt	1800
aaaagaaaaa	gggatattct	ttttatat	ttttccatga	atctgcagaa	aattactgag	1860
ctgttggttac	cctcctctca	ttataatagt	gtttaccaa	cataccaata	attcagcact	1920
acaattcaga	cctttgaaaa	tctggctttc	agtgtagaac	agaaagttag	atgaatcagt	1980
gccaagaca	tattttctgt	ttaacagaac	tttctacaga	tacatttttt	acaggttatt	2040
ttcatttgt	tattgacatc	catgtctctc	gtaaaacaga	tggtccaaag	taatgaatca	2100
tgtggctgta	ccttctccac	ataaatggga	tggataatta	tcgtatatta	agatgtgatt	2160
ctctttttta	tccttaatgt	taatctactt	aacctggccc	cctctaacat	ggagtcgata	2220
aatgttgtcc	tactccaccg	gtggtttcaa	tggctaatta	gaatgtgtta	tttgatttct	2280
gctgcagaag	gcagtgat	tgtacaaaa	acaatgcggc	ttcccccttt	cgtacttcat	2340
ttgtgttctc	ttaaaataga	gtttgaacaa	atatttttaa	ggtgcaaaat	accattagaa	2400
aatactattt	gaaatggaca	ttatcgcat	atcttggcat	aatggccaga	aaattattgt	2460
attgcttggc	agaaaagaaa	ataaggtcta	aaggaaagta	gcacattagc	attgatggct	2520
gttcattttca	ccaggtataa	gcaagtgagc	gttacaagaa	agtatatctc	gaatacatta	2580
tttccattca	tttagcacia	ataaatcatt	tggtttcact	ttgcagtggg	acactgagtc	2640
actcttttct	taatacgtgc	aacatcttaa	tttttgtttt	tcagcagttg	ctgttttgta	2700
ctttggtagt	gaagtgattt	ttaccacctg	tgtttgcata	tttatatatg	ctgtggatga	2760
aaataactta	ctagagaatg	tatattttat	gacaagaatg	tgtatctgtt	ggatataatc	2820
agagaactga	aaagtaattt	atcagtaatt	tttaagagtc	catgttttgt	gacaaccatc	2880
tctaatagcc	aactctttat	taaacacact	cctaaaaata	aggaaccatg	acattgtaga	2940
tatttaatat	tgtacagtat	agaaacctcc	atttttgcct	tcgaatgcat	atttaagagt	3000
taacagaatg	aaaaaaaaaa	gtcttggtgg	ataatagtgt	ttgactagcg	ttttaagaac	3060

094873E 04400

<400>	6841						
ctgcct	agttgacgca	cccattgagt	cgctggcttc	tttgacgcgc	ttcagcgttt		60
ctggag	ggcgectcca	tccttgagg	cctagtccg	tcggagaaga	gagcgggagc		120
gacaga	gacgcgtgcg	caattcggag	ccgactctgg	gtgcggactg	tgggagctga		180
gggtag	ccggtctgcg	gtggctgggg	aggcgaggcc	ggacgcacct	ctgtttgggg		240
tcagag	attaatgatt	catcaaggga	tagttgtact	tgtctcgtgg	gaatcacttc		300
tcgaa	atctgaaatt	atttcggacc	ctggagttca	gggatattca	aggtccaggg		360
ctcagt	gcttctctct	ccgaactgaa	caggggacgg	tgctcattgg	ttcagaacat		420
cgatag	aagtagaccc	tgtctcaaga	gaagtgaaaa	atgaagtttc	tttgggtggca		480
gctttc	ttccagagga	tggaagtggc	cgcattgttg	gtgttcagga	cttgctggat		540
agtcctg	tgtgtgtggc	cacagcctct	ggagacgtca	tactctgcag	tctcagcaca		600
agctgg	agtggtgttg	gagtgtagcc	agtggatatct	ctgttatgag	ttggagtcct		660
aagagc	tgggtgcttct	tgccacaggt	caacagaccc	tgattatgat	gacaaaagat		720
agccaa	tcctggagca	gcagatccat	caggatgatt	ttggtgaaag	caagttttatc		780
ctggat	ggggtaggaa	ggagacacag	ttccatggat	cagaaggcag	acaagcagct		840
agatgc	aaatgcatga	gtctgctttg	ccctgggatg	accatagacc	acaagttacc		900
gggggg	atggacagtt	ttttgctgtg	agtgtgttt	gcccagaaa	aggggctcgg		960
tcagag	tgtggaaccg	agagtttgct	ttgcagttaa	ccagtgcacc	tgtggcagga		1020
gaccag	ccctggcctg	gaaacctcta	ggcatattga	ctgtcatctac	actagataaa		1080
accagc	aggatattgt	gttttttgag	aaaaatggac	tccttcatgg	acactttaca		1140
ccttcc	ttaaagatga	ggttaaggta	aatgacttgc	tctggaatgc	agattcctct		1200
ctgcag	tctggctgga	agaccttcag	agagaagaaa	gctccattcc	gaaaacctgt		1260
agctct	ggactgttgg	aaactatcac	tggtatctca	agcaaagttt	atccttcagc		1320
gtggga	agagcaagat	tgtgtctctg	atgtgggacc	ctgtgacccc	ataccggctg		1380
tctct	gtcagggctg	gcattacctc	gcctatgatt	ggcactggac	gactgaccgg		1440
ggggag	ataattcaag	tgacttgtcc	aatgtggctg	tcattgatgg	aaacagggtg		1500
cgacag	tcttccggca	gactgtggtt	ccgcctcca	tgtgcaccta	ccaactgctg		1560
acacc	ctgtgaatca	agtcacattc	ttagcacacc	ctcaaagag	taatgacctt		1620
tcttag	atgccagtaa	ccagatttct	gtttataaat	gtggtgattg	tccaagtgct		1680
ctacag	tgaaactggg	agctgtgggt	ggaagtggat	ttaaagtttg	ccttagaact		1740
attttg	aaaagagata	caaaatccag	tttgagaata	atgaagatca	agatgtaaac		1800
gaaac	taggccttct	cacttggatt	gaagaagacg	tcttcctggc	tgtaagccac		1860
agttca	gcccccgctc	tgtcattcac	catttgactg	cagcttcttc	tgagatggat		1920
agcatg	gacagctcaa	tgtcagttca	tctgcagcgg	tggatggggg	cataatcagt		1980
ttgtgca	attccaagac	caagtcagta	gtattacagc	gggctgatgg	ccagatattt		2040
cccttt	gggagtcacc	ttctctggct	attaaacctat	gggaagaactc	tggtggattt		2100
ctcgg	ttccttatcc	atgcacccag	accgaattgg	ccatgattgg	aqaaagggaa		2160

tgtgtccttg	gtctgactga	caggtgtcgc	tttttcatca	atgacattga	ggttgcgta	2220
aatatcacgt	catttgcagt	atatgatgag	tttttattgt	tgacaaccca	ttcccatacc	2280
tgccagtgtt	tttgccctgag	ggatgcttca	tttaaaacat	tacaggccgg	cctgagcagc	2340
aatcatgtgt	cccatgggga	agttctgcgg	aaagtggaga	ggggttcacg	gattgtcact	2400
gttgtgcccc	aggacacaaa	gcttgtatta	cagatgccaa	ggggaaactt	agaagttggt	2460
catcatcgag	ccctgggtttt	agctcagatt	cggaaagtgg	tggacaaact	tatgtttaaa	2520
gaggcatttg	aatgcatgag	aaagctgaga	atcaatctca	atctgattta	tgatcataac	2580
cctaaggtgt	ttcttggaag	tgtggaaacc	ttcattaaac	agatagattc	tgtgaatcat	2640
attaacttgt	tttttacaga	attgaaagaa	gaagatgtca	cgaagaccat	gtaccctgca	2700
ccagttacca	gcagtgtcta	cctgtccagg	gatcctgacg	ggaataaaat	agaccttgtc	2760
tgcgatgcta	tgagagcagt	catggagagc	ataaatcctc	ataaatactg	cctatccata	2820
cttacatctc	atgtaaagaa	gacaacccca	gaactggaaa	ttgtactgca	aaaagtacac	2880
gagcttcaag	gaaatgctcc	ctctgatcct	gatgctgtga	gtgctgaaga	ggccttgaaa	2940
tatttgctgc	atctggtaga	tgttaatgaa	ttatatgata	cattctcttg	gcacctatga	3000
ctttgatttg	gtcctcatgg	tagctgagaa	gtcacagaag	gatcccaaag	aatatcttcc	3060
atcttctaat	acacttaaga	aaatggaaac	taattatcag	cggtttacta	tagacaaata	3120
cttgaaacga	tatgaaaaag	ccattggcca	cctcagcaaa	tgtggacctg	agtacttccc	3180
agaatgctta	aacttgataa	aagataaaaa	cttgataaac	gaagctctga	agttatatct	3240
accaagctca	caacagtacc	aggatatcag	cattgcttat	ggggagcacc	tgatgcagga	3300
gcacatgtat	gagccagcgg	ggctcatggt	tgcccggtgc	ggtgcccacg	agaaagctct	3360
ctcagccttt	ctgacatgtg	gcaactggaa	gcaagccctc	tgtgtggcag	cccagcttaa	3420
ctttacccaa	gaccagctgg	tgggcctcgg	cagaactctg	gcaggaaagc	tggttgagca	3480
gaggaagcac	attgatgcgg	ccatgggttt	ggaagagtgt	gccaggatt	atgaagaagc	3540
tgtgtctctg	ctgttagaag	gagctgcctg	ggaagaagct	ttgaggctgg	tatacaata	3600
taacagactg	gatattatag	aaaccaacgt	aaagccttcc	attttagaag	cccagaaaaa	3660
ttatatggca	tttctggact	ctcagacagc	cacattcagt	cgccacaaga	aacgtttatt	3720
ggtagtctga	gagctcaagg	agcaagccca	gcaggcaggt	ctggatgatg	aggtacccca	3780
cgggcaagag	tcagacctct	tctctgaaac	tagcagtgtc	gtgagtggca	gtgagatgag	3840
tggaataatc	tcccatagta	actccaggat	atcagcgaga	tcattccaaga	atcgccgaaa	3900
agcggagcgg	aagaagcaca	gcctcaaaga	aggcagctcg	ctggaggacc	tggccctcct	3960
ggaggcactg	agtgaagtgg	tgcagaacac	tgaacaaggga	aggaattac	tataccatat	4020
tttaaaggta	ctctttctct	ttgagtttga	tgaacaaggga	aggaattac	agaaggcctt	4080
tgaagatacg	ctgcagttga	tggaaagggtc	acttccagaa	atttggactc	ttacttacca	4140
gcagaattca	gctaccccg	ttctaggtcc	caattctact	gcaaatagta	tcattggcatc	4200
ttatcagcaa	cagaagactt	cggttcctgt	tcttgatgct	gagcttttta	taccacccaa	4260
gatcaacaga	agaacccagt	ggaagctgag	cctgctagac	tgagtgactg	cagttaggag	4320
ggatccgaca	gagaagacca	tttccactca	ttcctgttgt	cctaccaccc	cttgctcttt	4380
gagggctggc	tattgagaac	tggaaagagt	aaaatgataa	cttaccttag	cattgccaag	4440
aacttcagca	gacaacaagc	aattctatatt	attttatgtt	gtgtatacat	cttgatcatt	4500
agcaagacat	taagctttta	ccattatggc	accattttgt	gagaatgatt	gttctttcac	4560
ttgggctgtt	tgagagcata	attatggtaa	tcattgagatt	aatgtttcat	gatttctacc	4620
tccaaagtgt	gaagacaagt	aaaacaatgt	ttctaaattg	tcttattttg	ttggcgagga	4680
agattacaat	ggctattagt	gtacattttg	gtcaaatgta	atcacttaaa	tagcttcttg	4740
tcaccttaaa	ctaaagcaga	ataaaaagta	tcctttgaaa	ttataagccc	tcctttgctg	4800
acagctatta	ttttgtaaca	tcttaccagg	tcattgtgct	tcagttataa	ctgggctgag	4860
cctcctataa	ttacaatgtc	tatagggact	gttttactgc	ctgtgtattt	tctgctagag	4920
agtttagcaat	gttagagcta	gaacagatta	gaattttctaa	acagtatcat	gcacagttgg	4980
tgtgagtgat	cagtgtgcat	tgtatggcat	gcatgggtgt	gaattattct	ctgttctcca	5040
aatactgttt	ctttaactca	gatatttttg	ttagtgtcta	ggccacttca	tttatttttc	5100
gtcatggtac	tttactgact	tctctttatt	caatttctca	cgccctcacc	aaaaaaact	5160
gtctcaaaat	gagaatatatt	tattttcatg	gtgagtctag	aaaacgcccc	cttcattctg	5220
attaaaaat						5229



<210> 6842  
 <211> 714  
 <212> DNA  
 <213> Homo sapiens  
 <220>  
 <221> misc\_feature  
 <222> (379)...(222)  
 <223> similar to gi213591 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 6842  
 tttttttttt ttgttttcca gttttgtttt tctgtactaa aaatatctag tgggtgctag 60  
 gattgaaagg gcaagagagg ttgagatact gacatctcct catgtggatg aagtggccat 120  
 tacctctggt ttctgtctat tggttgcatc tctgtgaaca ctgaagagag gctattccaa 180  
 atatcctcca ggccaatcct gacccgtttc caaaaagcca gggctgggca ggggctggcg 240  
 ggtggcaggc tgggactgct tctgaggtgg atggtgggga aggggtagt ggtggctctg 300  
 gtactggtgg tgctctgaga ggcacagttg gtgtcagtac agagacttgt gtccaggggg 360  
 cactcttccc gaagtcggtt gcagggacat tgttgatagg tgcaaggctt gtgctccgtg 420  
 cggagctggc tcagcgcccc aactcgaagg cgcccggaag ggccgtgcag cttcccagac 480  
 cggctccggc tcatggtgcc cgacttgcaag tggcagtgcc acgggccccca gggcatcagc 540  
 accagccgca gatcctcagg agatggcatg gctgtgggtg aggggtgacgg ccaccggctc 600  
 ggggtagacc caggtgtgga ccaactggctc aggggtggcct gcgagcctgg caggtcctca 660  
 gtagacctcc cgggggagcg cggcaggctt gaagtcagcc tgatttcagg ctcc 714

<210> 6843  
 <211> 3603  
 <212> DNA  
 <213> Homo sapiens  
 <220>  
 <221> misc\_feature  
 <222> (34)...(3475)  
 <223> similar to gi402647 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 6843  
 tgcggtcaga ggagcaggag gaggtcccc gacatgcctg aggcaaaacc agcggccaaa 60  
 aaggccccca aaggcaaga tgcccccaaa ggagccccca aggaggctcc ccctaaggag 120  
 gtcctgcag agggccccaa agaagcccc cccgaggacc agtccccgac tgcagaggag 180  
 cccaccggcg ttttctgaa gaagccggac tccgtctcag tggagactgg gaaggacgca 240  
 gtggtcgtgg ccaaggtgaa cgggaaggag ctcccagaca aaccgaccat caagtggttc 300  
 aaggggaagt ggctggagct gggcagcaag agtggcgccc gcttctcctt caaggagtcc 360  
 cacaactccg ccagcaatgt gtacaccgtg gagctgcaca ttgggaagggt ggtactgggg 420  
 gaccgtgggt attaccgcct cgaggtcaaa gccaaggaca cctgtgacag ctgtggcttc 480  
 aacatcgatg tggaggcacc ccgtcaggat gcctctgggc agagtctaga aagcttcaag 540  
 cgtacgagtg aaaagaagtc ggatactgca ggtgagctgg atttcagtgg cctgttgaag 600

aagagggagg	tgggtggagga	ggagaagaag	aagaaaaaga	aagatgacga	tgacctaggc	660
atccccccgg	agatttgagg	gctcctgaaa	ggggcaaaga	agagcgagta	cgagaaaatc	720
gccttccagt	atggcatcac	cgacctccgg	ggcatgctga	agcggctgaa	aaaggctaag	780
gtcgaaggta	agaagagtgc	agcattcaca	aagaagctgg	atccagccta	ccaagtggac	840
agaggcaaca	agatcaagtt	gatggtagag	atcagcgacc	cagacctgac	cctcaagtgg	900
ttcaagaacg	gccaggagat	caaaccaagc	agcaagtacg	tgtttgagaa	cgttggttaag	960
aagcgaattc	ttaccatcaa	caagtgcacg	ctggcggatg	acgctgccta	tgaagtagct	1020
gtcaaggatg	agaagtgttt	caccgagctc	ttcgtcaaag	aacctccagt	cctaattgtc	1080
acacctcttg	aggaccagca	ggtgtttgtg	ggtgaccggg	tggaaatggc	agtggagggtg	1140
tcagaagagg	gtgccccagg	gatgtggatg	aaagatggtg	tggaaactgac	tcgggaggat	1200
tccttcaagg	cccgggtaccg	cttcaagaag	gacgggaagc	gccacatcct	catcttctca	1260
gcgtgggtcc	aggaggacag	gggtcgctat	caggtcataa	ccaatggcgg	ccagtgtgag	1320
gccgagctga	ttgtggaaga	gaaacagctg	gaggtcctgc	aggacatcgc	ggatctgacg	1380
gtgaaggcct	cagaacaagc	tgtgttcaag	tgcgagggtg	ctgatgagaa	agtgcagggc	1440
aagtgggtata	agaatggggg	cgagggtgcg	cccagcaaga	ggatcaccat	ttcccatgta	1500
ggcaggttcc	acaagctggg	gatcgatgac	gtccgccccg	aggatgaggg	agactacacg	1560
tttgtgcctg	acggctacgc	ccttggttcg	ctctcggcc	agctcaactt	cctggaaaatc	1620
aaggtggagt	acgttcccaa	gcaaagagcc	accaaagatc	ccacttggat	ttgcctcggg	1680
gggaaagacc	tcagagaatg	ccgatttgtg	gttgtggctg	gaaacaagct	gaggcttgac	1740
gttgtccatc	acaggggaag	ccccctcccc	gttcgctacc	ttggctgaag	ggagaatgag	1800
gtattcacga	ccaccgaggg	caggaccgcg	atcgagaagc	gggtggactg	cagcagcttt	1860
gtgattgaga	gtgcgcagcg	ggaagacgag	ggccgctaca	ccatcaaggt	caccaacccc	1920
atcggcgagg	acgtggcttc	catcttcctg	caagttgtag	atgtcccaga	ccccccggag	1980
gctgtgcgca	tcacctcggt	tggagaggat	tgggccatcc	ttgtctggga	gccaccaatg	2040
tacgatgggg	ggaagccagt	caccgggtac	ctcgtagagc	ggaagaagaa	gggctctcag	2100
cgctggatga	agctgaactt	tgaggtcttc	acagagacca	cctatgagtc	caccaagatg	2160
atcgagggca	tcctctatga	gatgcgtgtc	ttcgccgtca	atgctatagg	ggtctcccag	2220
cccagcatga	acaccaagcc	ttttatgcct	attgcacca	cgagtgaacc	cctgcacctg	2280
atagtggagg	atgtgcagag	caccaccacc	acactcaagt	ggaggcctcc	gaacaggatc	2340
ggggcagggtg	gcactgatgg	gtacctgggt	gagtactgcc	tggaaaggctc	cgagggaatg	2400
gtccctgccca	acaccgagcc	cgtggagcgc	tgtggttcca	ccgtcaagaa	tctcccggac	2460
ggagccagaa	tcctcttccg	agtagttggg	gtcaacatcg	cggggcgcag	cgagccggcc	2520
accctggccc	agccggtcac	catcaggggag	attgcggagc	cacccaagat	ccggcttccc	2580
cgccatctcc	gccagacct	catccgcaaa	gtgggcgagc	agctcaacct	tgtcgtcccc	2640
ttccaggga	agccccggcc	ccagggtggtg	tggaccaagg	gcggggcccc	gctggacacc	2700
tcccgctgc	acgtgcggac	cagcgacttc	gacaccgtgt	tcttcgtgcg	ccaggcggcc	2760
cgctccgact	ccggggagta	cgagctgagc	gtgcagatcg	agaacatgaa	ggacaccgcc	2820
accatccgca	tccgcgttgt	ggaaaaggct	gggcccccca	taaacgtgat	ggtgaaggag	2880
gtgtggggca	cgaacgcgct	ggtggagtgg	caggccccca	aagatgatgg	gaacagtgag	2940
atcatggggg	atttcgtcca	gaaagcagac	aaaaaaacca	tggagtgggt	caacgtctat	3000
gaacgtaaca	ggcacactag	ctgtactgtg	tccgacctta	tcgtgggcaa	tgaatactat	3060
ttccgagttt	acaccgagaa	catctgtggg	ctcagtgact	cacctggtgt	ctccaagaac	3120
acggcccgc	tcctcaagac	aggaatcacc	ttcaaaccgt	tcgagtataa	ggagcatgac	3180
ttccggatgg	ctcccaagtt	cctgacacct	ctcatagacc	gcgtggctcg	ggctgggtac	3240
tcggcagccc	tcaactgtgc	tgtcagaggc	cacccgaagc	cgaagggtgt	ctggatgaag	3300
aacaagatgg	aaatccgtga	agatcccaag	ttcctgataa	ccaattacca	aggagtcctg	3360
acgctgaaca	tccgtcgccc	ctcgcccttc	gacgtgggga	cttacacctg	ccgggcccgtc	3420
aacgagctgg	gcgaggcgct	ggctgagtg	aagctggagg	tccgagtgcc	gcagtggagc	3480
ctgtccccta	cctgccaaaga	caattgggtg	tggagtccgt	accccaatcc	ccaacctccc	3540
aggactgtgt	tctttctgga	gttttcgctg	agaacaaaac	agtgttgtct	ggaaaaaaa	3600
aaa						3603

<211> 4264  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <221> misc feature  
 <222> (3962)...(0)  
 <223> similar to gi5257005 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 6844

cttttagaaa	caaaaatcaa	ggattgcaca	aactatggca	ttttatttca	gagcctttgc	60
cttacatttg	tacaatatat	tacataattc	ttcattgttt	gcagatccta	atatatactt	120
tatagctttt	attctataag	cttttttctt	caacattttg	ctgtcaacaa	atctttacag	180
tcctgtacaa	atltgaataa	cttgaaacca	ttttcaacaa	aattagttac	tgtaagcaca	240
cactacaaga	ctgaaaatgc	ttttcttaga	aaagttgaat	gtaaaggatt	ctgacacggt	300
agcatctaca	acaaaacgca	ttgaaattcc	cacgtcgtat	tgccaggaaa	caaagaaaac	360
atgccagccc	catccaaaaa	aagtacacag	aactacaatt	aaaacagtaa	aacagtctgt	420
acaataaagt	actgtgtatt	aacagtgcc	gatattaaat	agcttgaatg	aacacatcca	480
caatatacaa	atgtcttaca	aaggtgaaga	attaaataca	agtgccaaac	agaacagaga	540
ttggaatcat	acaacataaa	gtcaatacaa	gtgaaaacaa	ttttgcattc	atlttggtt	600
ttatacaagg	catttaattt	tataggccta	ccacccccat	tagctattta	tatttaaaat	660
aaccaccatc	cttttgagac	agttcctatc	aacaatcttg	aaccatacta	atacattact	720
tgttcctgaa	gtccttttgt	tgtagctcat	aataaaaata	gcaatacaaa	tgaattatct	780
gtatttaagg	gaaaagaaac	atltacaaga	aaacacaaaa	atataactgt	tataattcat	840
tatgaataaa	tatacacttt	gaactggcta	agtacaatct	ttatacattg	tttaagattt	900
aatacagttt	attagccatt	ttcttttttc	acacaatgta	tatcaaaatt	aaaaaaaaat	960
actgatttat	agaaaaatgg	caaagtacag	tagttccatt	ccaatttgaa	gggccatgaa	1020
aagccactgc	aagacctttt	agcctaattc	aaacctgtaa	acatgttcag	tcttttttaa	1080
agagaatctt	taatatttgg	ttaccaggat	tgatgtctaa	tatcctgtta	actgcagggt	1140
ttgaatttat	tacatgtgct	tgacttatac	aattaaagcc	accctaaggt	gacttgcttt	1200
aaaaaacaat	tacctgttac	aaatgaaaat	aggttcatat	tttttcataa	ataaatggaa	1260
aaatatcaaa	tgttccagca	tttaacaaaa	tacaagggaa	tacatataca	gtaagttatc	1320
ttaacatggt	ctgacccacc	ccttaactat	gcttactgta	ttgtctctac	aggcagttaa	1380
aagcctccat	ttgccacagt	ggaaggcctt	ccagttacca	gacacacaa	tcccagacaa	1440
gttggaacaa	attattgctt	gaggaaaagc	agttcattgt	actttttctt	cataaaaaag	1500
tgactttaag	tgccaagtca	gcttggtcaag	aaacaatttt	taaatataaa	atagtgtctg	1560
tctgatattt	ttttgtgcc	ctgtgcagta	taaaaaaa	gtggccctca	acagccatta	1620
agtgcacagt	gcttttagca	gtcctgtgtg	cacctgcact	caactgacat	tccattttgt	1680
gatgcgctgg	acattgacgg	ttcagctaaa	gttaacataa	cagcagctgt	tatggaactg	1740
gatgaagggt	aagaggagga	tgaggatgta	gcagcacttt	ctctctcttt	cttcttttaa	1800
cgctttctcc	tccgatcaat	ggaagctact	tcagatttta	atgacagata	atgttttctg	1860
atttcttgaa	gtttttcttg	agaatttgtg	atgcgttcgg	cacttgtcat	atlttccagg	1920
tccgacatct	gaaaactcca	tttgtaaact	ttgggtaatc	gattactggg	ttccttgaga	1980
tcaggatcct	tatcaccatt	cttccacat	tttctgtgag	actgcgtcct	tgccgggagat	2040
ttggtactat	gagacttcat	tccagtgga	actgatttga	ctggctgact	cttagttata	2100
ctttcaccag	ctgaaagtgc	ttcactatca	ctactatttg	tgccctttcc	cttctttttg	2160
ttgtttacca	ctgttgcttt	atggcttctt	ttctgtcttt	ttgatgaact	tcctcctccc	2220
tgagcatctt	tactctttt	ctgacctgta	caggcttttt	caggatgttc	tggttctggc	2280
tgattactac	tgctcgagct	cacactggca	tcaaaacctg	ctggcgagct	attccctttc	2340
agactggagg	tcttgagct	ccccagcaac	actatccacc	tcaattgtgc	tatcagtttc	2400
actcttgata	cttcgaacct	cttcttggtt	tggagccagt	ggttctgata	ctgttacaga	2460
agactgctgc	cggctgcctt	tctgttacag	tgactgatga	aggcgattca	ggtgtaagta	2520
aggaaggggt	atttaagcac	tgaaattact	gccactactt	ggaaattctg	cttttctgtc	2580

09468725 "013100

```

attgacctct actgtttttt cttcaatggg ttactatcg acattgactg gaggtggttt 2640
ttctagtctt acactgggtg aacaactctc ctcttcagcc acagtctgca gtgactcctc 2700
tgccaccccc tctcttgggg caggatgcgg tggggaagct gcagcctcag tatcagagtc 2760
tgaaaaaagc tctttcagcg tttttttagg ccactgtccc tgaatacttg accagacatc 2820
ttttcgatct ttggccctgc tgttttgaag tctttcatca gagttattta aaagtttaat 2880
ccttttttct gccacttctg aaaatcctga atagaaacca gttgtccgta gagattttct 2940
tttttcctcc aaaccattgt atttcttagt tgggtgtcatc tttgcttttg tttcttcttc 3000
atcttcatct gaagagctgt tgctactgtt ttccatgcaa agtgattctt tgttcttggc 3060
cttctcttcc tttttgccag gtgatccagt ttttagacac tcttctgtat tgcaataacct 3120
tcttttacca cgttttattt gtggttttga agatttatct gttgtgtcct tcttgacatc 3180
ctttctcttt tttgtgactt catcttcttc ataatcagta tcttcggata atacttctat 3240
atctttcctt aatctttctg gagattttga cactggtttg gatattacca aatctgcatg 3300
aactttgttt tcttctagca aagatgaact gttctgttcc tcctttgaaa taagatcatt 3360
tctgttggtg gtcaaatgat caatcttaga ttctcttttg ccattattat ccatgtcttg 3420
agcacctctc tcatcttctt gctcactgtc ttcagcagaa ctttcagaag cttgaagtcc 3480
attaaggatc gaagtaattt ctatggactt aatatgagca gtatcagagt ttttggcatc 3540
agtgagatcc agtttgata ccatttgcag gagatgggat ttgtctgaaa tgggtgggttt 3600
gggccaagcg ccgaagttta cagttttttg gagagtattt ttcattcttg tctttttctt 3660
tgtctaattt attctttatt ttcttccgat gttttatctt tggcacattt ttatcagcag 3720
gtcttactat tttatctgct ttaatccatt catcgtatct cacattccat ccgcagtaat 3780
gcaccaagta aaggacctct ccaccttcga catcagaatc ttttaatacta gcttcataca 3840
ttttttgatt tttccctcgt ccataccgca cttggacttt catgcctggt ggatagcact 3900
caaactcctc ttctcatttg ttgtcatcat catcttcatc ctcttcttct tcttctcctc 3960
cctcctcctc ttctgcttct tcatcatctt catcttcttc tttattcggt tcatctccag 4020
attttgcttt ttcttctcct gcttctacct ttatgttgag ggattcatct accctagttg 4080
tgtcatcatc tttgtcatcc agattttcat tgtcttctgg ttttttaatg ttaacttctt 4140
tttctgacac agaattgtga ggtatagatt ctaataaatt ctttttactt cccagagagg 4200
gcttaatat ttttttctt tcaatttcat cctcaatagg cttttcttct cttggtatta 4260
tatt 4264

```

```

<210> 6845
<211> 2466
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (104)...(2331)
<223> similar to gi413777 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 6845
ggcacgagaa ctggggcggg ggggtgtttc ctggaccca gtcctccgaa tcagctccta 60
gagtgaacc aggaaggatt ctggagccac agaagataga cagatggaag gtggggacca 120
aagtgaggaa gagccgaggg aacgcagcca ggcaggtgga atgggaactc tctggagcca 180
agagagcact ccagaagaga ggctgcccggt ggaagggagc aggccatggg cagtggccag 240
gcgggtgctg acagctatcc tgattttggg cctgctcctt tgtttttctg tgcttttggt 300
ctacaacttc cagaactgtg gccctcgccc ctgtgagaca tctgtgtgtt tggatctccg 360
ggatcattac ctggcctctg ggaacacaag tgtggccccc tgcaccgact tcttcagctt 420
tgctgtgga agggccaaag agaccaataa ttcttttcag gagcttgcca caaagaacaa 480

```

aaaccgactt	cggagaatac	tggagggtcca	gaattccttg	cacccaggct	ctgggggagga	540
gaaagccttc	cagttctaca	actcctgcat	ggatacactt	gccattgaag	ctgcaggggac	600
tgggtcccctc	agacaagtta	ttgaggagct	tggagggttg	cgcatctctg	gtaaatggac	660
ttcctttaa	tttaaccgaa	cgctgagact	tctgatgagt	cagtatggcc	atttcccttt	720
cttcagagcc	tacctaggac	ctcatcctgc	ctctccacac	acaccagtca	tccagataga	780
ccagccagag	tttgatgttc	ccctcaagca	agatcaagaa	cagaagatct	atgccagat	840
ctttcgggaa	tacctgactt	acctgaatca	gctgggaacc	ttgctgggag	gagacccaag	900
caaggtgcaa	gaacactctt	ccttgtcaat	ctccatcact	tcacggctgt	tccagtttct	960
gaggcccctg	gagcagcggc	gggcacaggg	caagctcttc	cagatggtca	ctatcgacca	1020
gctcaaggaa	atggccccc	ccatcgactg	gttgtcctgc	ttgcaagcga	cattcacacc	1080
gatgtccctg	agcccttctc	agtccctcgt	ggtccatgac	gtggaatatt	tgaaaaacat	1140
gtcacaactg	gtggaggaga	tgctgctaaa	gcagagggac	tttctgcaga	gccacatgat	1200
cttagggctg	gtggtgaccc	tttctccagc	cctggacagt	caattccagg	aggcacgcag	1260
aaagctcagc	cagaaactgc	gggaactgac	agagcaacca	cccatgcctg	cccggcccag	1320
atggatgaag	tgcgtggagg	agacaggcac	gttcttcgag	cccacgctgg	cggtttgtt	1380
tgttcgtgag	gcctttggcc	cgagcaccgc	aagtgtctgc	atgaaattat	tactgaggga	1440
tccgggatgc	cctcatcact	cgccctcagaa	accttccctg	ggatgaatga	ggagacccag	1500
aacatggccc	aggacaaggt	tgtcactcgt	caggtggaga	tgggggcttc	agaatggggc	1560
ctgaagccag	agctggcgcg	acaagaatac	aacgatatac	agcttggatc	gagcttcctg	1620
cagtctgtcc	tgagctgtgt	ccgggtccctc	cgagctagaa	ttgtacagag	cttcttgacg	1680
cctcactcca	aacacagcgt	gggagggtgtc	gcattggacg	ctcaatgctt	actattcggt	1740
atctgaccat	gtggtagtct	tttcccagct	ggacttcttc	caacccccat	tcttcccacc	1800
ctggctatcc	cagagccgtg	aactttggcg	ctgctggcag	catcatggcc	cacgagctgt	1860
tgcacatctt	ctaccagctc	tgtggtactg	cctgggggct	gccttcgcct	gtgacaacca	1920
tgccctccag	ggaagctcac	ctgtgcctga	agcgccatta	tgtgccttt	ccattacctt	1980
ggcagaacct	ccttcaatga	ctccctcaca	ttcttaggag	aatgctgcag	acgttggggg	2040
ggctagccat	tgcgcgttgc	aggcattaca	gcaaggaggc	tgtttacggg	caccatgggg	2100
agactgtcct	gcccagcctg	ggaccttcag	cccccagcag	atcttctttc	gaagctatgc	2160
ccaggtgatg	tgtaggaa	ccagccccc	gggacttttc	acgacactca	cagccctcca	2220
cacctccgag	ttccacgggc	ccctcagcag	gcaccccagc	ctttgccagg	tatttccgct	2280
gtgcacgtgg	tgtctctttg	aacccctcca	gcccgtgcca	gctctggtta	cttggttacc	2340
aaagatgcca	cagcacagaa	atatcgacca	acacctccct	ggtcacatcc	atggaatcag	2400
agcaagattt	cctttctgct	tctgttccaa	aaataaaagc	tggcaettgg	cttccgccc	2460
gaattc						2466

<210> 6846

<211> 2100

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (38)...(1626)

<223> similar to gi3135025 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters

<400> 6846

agcagcaact	ggaaaacaag	cattgcattg	catcaggatg	tctatgaaat	ggacttcagc	60
tcttctgctg	atacagctga	gctgttactt	tagctctggg	agttgtggaa	aggtgctggt	120
gtggcccaca	gaattcagcc	actggatgaa	tataaagaca	atcctggatg	aacttgtcca	180

gagaggtcat	gaggtgactg	tattggcatc	ttcagcttcc	atttctttcg	atcccaacag	240
cccatctact	cttaaatttg	aagtttatcc	tgtatcttta	actaaaactg	agtttgagga	300
tattatcaag	cagctggtta	agagatgggc	agaacttcca	aaagacacat	tttggtcata	360
tttttcacaa	gtacaagaaa	tcatgtggac	atttaatgac	atacttagaa	agttctgtaa	420
ggatatagtt	tcaaaataaga	aacttatgaa	gaaactacag	gagtcaagat	ttgatgttgt	480
tcttgcat	gctgttttcc	cctttggtga	gctgctggcc	gagttactta	aaataccctt	540
tgtctacagc	ctccgcttct	ctcctggcta	cgcaattgaa	aagcatagtg	gaggacttct	600
gttccctcct	tcctatgtgc	ctgttggtat	gtcagaacta	agtgaccaa	tgactttcat	660
agagagggta	aaaaatatga	tctatgtgct	ttattttgaa	ttttggttcc	aaatatttga	720
catgaagaag	tgggatcagt	tctacagtga	agttctagga	agacccta	cgttatctga	780
gacaattggc	aaagctgaca	tatggcttat	tcgaaactac	tgggattttc	aatttcttca	840
cccactctta	ccaaatggtg	agttcgttgg	aggactccac	tgcaaacctg	ccaaaccctt	900
accgaaggaa	atggaaggag	tttgtccaga	gctctggaga	aaatggtgtt	gtggtgtttt	960
ctctggggtc	gatggtcagt	aacacgtcag	aagaaagggc	caatgtaatt	gcatacgccc	1020
ttgccaagat	cccacaaaag	gttctgtgga	gatttgatgg	gaataaacca	gatactttag	1080
gactcaatac	tcggtgttac	aagtggatac	cccagaatga	tcttcttggt	cacccaaaaa	1140
ccagagcttt	tataactcat	ggtggagcca	atggcatcta	tgaggcaatc	taccatggaa	1200
tccctatggt	gggcgttcca	ttgtttgcag	atcaacctga	taacattgca	cacatgaagg	1260
ccaagggagc	agctgttagt	ttggacttcc	acacaatgtc	gagtacagac	ttactcaatg	1320
cactgaagac	agtaattaat	gatcctttat	ataaagagaa	tgctatgaaa	ttatcaagaa	1380
ttcatcatga	tcaaccagtg	aagccccttg	atcgagcagt	cttctggatt	gaatttgtca	1440
tgcgccataa	aggagccaag	caccttcggg	ttgcagccca	cgacctcacc	tggttccagt	1500
accactcttt	ggatgtgact	gggttcctgc	tggcctgtgt	ggcaactgtg	atattcatca	1560
tcacaaaatg	tctgttttgt	gtctggaagt	ttgttagaac	aggaaagaag	gggaaaagag	1620
attaattacg	tctgaggctg	gaagctggga	aaccacaata	atgaactcct	ttagttttatt	1680
acaacaagaa	gacgttgtga	tacaagagat	tcctttcttc	ttgtgacaaa	acatctttca	1740
aaacttacct	tgtcaagtcc	aaaatttgtt	ttagtacctg	tttaaccatt	agaaatattt	1800
catgtcaagg	aggaaaacat	tagggaaaac	aaaaatgata	taaagccata	tgaggttata	1860
ttgaaatgta	ttgagcttat	attgaaattt	attgttccaa	ttcacaggtt	acatgaaaaa	1920
caatttacta	agcttaacta	catgtcacac	gattgtacat	ggaacaaga	acattaagaa	1980
gtccgactga	cagtatcagt	actgttttgc	aaatactcag	catactttgg	atccatttca	2040
tgcaggattg	tgttgtttta	actgttgttg	aggaagctaa	taaataatta	aattgtaaaa	2100

```
<210> 6847
<211> 3936
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> (1)...(3937)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (282)...(2886)
<223> similar to gi3043574 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```

<400> 6847

tttcgtggcg	gcggcgcaag	ggtgagggcg	gccccagaac	cccaggtagg	tagagcaaga	60
agatgggtgtt	tctgcccctc	aaatgggtccc	ttgcaaccat	gtcattttcta	ctttcctcac	120
tgttggctct	cttaactgtg	tccactcctt	catgggtgtca	gagcactgaa	gcatctccaa	180
aacgtagtga	tgggacacca	tttccttggg	ataaaaatacg	acttcctgag	tacgtcatcc	240
cagttcatta	tgatctcttg	atccatgcaa	accttaccac	gctgaccttc	tggggaacca	300
cgaaagtaga	aatcacagcc	agtcagccca	ccagcaccat	catcctgcat	agtcaccacc	360
tgcagatata	tagggccacc	ctcaggaagg	gagctggaga	gaggctatcg	gaagaacccc	420
tgcaggctcct	ggaacacccc	cctcaggagc	aaattgcaact	gctggctccc	gagccccctc	480
tttgtcgggc	tcccgtacac	agttgtcatt	cactatgctg	ggcaatcttt	cggagacttt	540
ccacggattt	tacaaaagca	cctacagaac	caaggaagg	gaactgagga	tactagcatc	600
aacacaattt	gaacccactg	cagctagaat	ggcctttccc	tgctttgatg	aacctgcctt	660
caaagcaagt	ttctcaatca	aaattagaag	agagccaagg	cacctagcca	tctccaatat	720
gccattgggtg	aaatctgtga	ctgttgctga	aggactcata	gaagaccatt	tttgatgtcc	780
ctgtgaagat	gagcacctat	ctgggtggcct	tcatcatttc	agattttgag	tctgtcagca	840
agataaccaa	gagtgaggatc	aaggtttctg	tttatgctgt	gccagacrag	ataaatcaag	900
cagattatgc	actggatgct	gcggtgactc	ttctagaatt	ttatgaggat	tatttcagca	960
taccgtatcc	cctacccaaa	caagatcttg	ctgctattcc	cgactttcag	tctgggtgcta	1020
tggaaaactg	gggactgaca	acatatagag	aatctgctct	gttgtttgat	gcagaaaagt	1080
cttctgcatc	aagtaagctt	ggcatcacag	tgactgtggc	ccatgaactg	gcccaccagt	1140
ggtttgggaa	cctggctact	atggaatgg	ggaatgatct	ttggctaaat	gaaggatttg	1200
ccaaatttat	ggagtttggtg	tctgtcagtg	tgacccatcc	tgaactgaaa	gttgagatt	1260
atttcttttg	caaatgtttt	gacgcaatgg	aggtagatgc	tttaaattcc	tcacaccctg	1320
tgtctacacc	tgtggaaaat	cctgctcaga	tccgggagat	gtttgatgat	gtttcttatg	1380
ataagggagc	ttgtattctg	aatatgctaa	gggagtatct	tagcgctgac	gcatttaaaa	1440
gtggatttgt	acagtatctc	cagaagcata	gctataaaaa	tacaaaaaac	gaggacctgt	1500
gggatagtat	ggcaagtatt	tgccctacag	atggtgtaaa	agggatggat	ggcttttgct	1560
ctagaagtca	acattcatct	tcatcctcac	attggcatca	ggaaggggtg	gatgtgaaaa	1620
ccatgatgaa	cacttgga	ctgcagaggg	gttttcccct	aataaccatc	acagtgaggg	1680
ggaggaatgt	acacatgaag	caagagcact	acatgaagg	ctctgacggc	gccccggaca	1740
ctgggtacct	ctggcatgtt	ccattgacat	tcatcaccag	caaatccgac	atggtccatc	1800
gatttttgct	aaaaacaaaa	acagatgtgc	tcatcctccc	agaagagggtg	gaatggatca	1860
aatttaattgt	gggcatgaat	ggctattaca	ttgtgcatta	cgaggatgat	ggatgggact	1920
ctttgactgg	ccttttaaaa	ggaacacaca	cagcagtcag	cagtaatgat	cgggcgagtc	1980
tcattaacaa	tgcatttcag	ctcgtcagca	ttgggaagct	gtccattgaa	aaggccttgg	2040
atztatccct	gtacttgaaa	catgaaactg	aaattatgcc	cgtgtttcaa	ggtttgaatg	2100
agctgattcc	tatgtataag	ttaatggaga	aaagagatat	gaatgaagtg	gaaactcaat	2160
tcaaggcctt	cctcatcagg	ctgctaagg	acctcattga	taagcagaca	tggacagacg	2220
agggctcagt	ctcagagcaa	atgctgcgga	gtgaactact	actcctcgcc	tgtgtgcaca	2280
actatcagcc	gtgcgtacag	agggcagaag	gctatttcag	aaagtggaag	gaatccaatg	2340
gaaacttgag	cctgcctgtc	gacgtgacct	tggcagtggt	tgctgtgggg	gcccagagca	2400
cagaaggctg	ggattttctt	tatagtaaat	atcagttttc	tttgtccagt	actgagaaaa	2460
gccaaattga	atttgccctc	tgcagaaccc	aaaataagga	aaagcttcaa	tggctactag	2520
atgaaagctt	taagggagat	aaaataaaaa	ctcaggagtt	tccacaaatt	cttacactca	2580
ttggcaggaa	cccagtagga	tacccactgg	cctggcaatt	tctgaggaaa	aactggaaca	2640
aacttgata	aaagtgtgaa	cttggctcat	cttccatagc	ccacatggta	atgggtacaa	2700
caaatcaatt	ctccacaaga	acacggcttg	aagaggtaaa	aggattcttc	agctctttga	2760
aagaaaatgg	ttctcagctc	cgttgtgtcc	aacagacaat	tgaaacatt	gaagaaaaca	2820
tcggttggat	ggataagaat	tttgataaaa	tcagagtgtg	gctgcaaagt	gaaaagcttg	2880
aacgtatgta	aaaattcctc	ccttgccagg	ttcctgttat	ctctaatac	caacattttg	2940
ttgagtgtat	tttcaaacta	gagatggctg	ttttggctcc	aactggagat	acttttttcc	3000
cttcaactca	ttttttgact	atccctgtga	aaagaatagc	tgttagtttt	tcatgaatgg	3060
gctttttcat	gaatgggcta	tcgctaccat	gtgttttggt	catcacagg	gttgccctgc	3120
aacgtaaacc	caagtgttgg	gttccctgcc	acagaagaat	aaagtacctt	attctttctca	3180
ttttatagtt	tatgcttaag	caccctgtgc	caaaacctg	taccccatgt	tttatcattc	3240
ataaactggt	ttcatcagtc	tcctcgaaag	actctgaata	gtcgactact	gaacaatgaa	3300
cacctggatc	tgagactaag	ccggacgatg	actgggttaa	agctctccc	gctcaccct	3360
ccagacccgc	tgcccatccc	tcttccttgc	tccatgcca	ggggctgact	tgtaaaggcc	3420





gggtgtgaga	gtgagaattc	gatccaagtc	ttctaccaac	tgcttgaacg	ttggtctctg	1740
ggagggcact	gcatgccaac	agtcctcat	catcatgtac	agttcgttg	tgcagttggc	1800
tggcttatcc	attctgtgtc	cttcttcag	cagcttaaaa	agttcctcca	cgggaatccc	1860
tgggtagggc	gagcccccta	aagtgaagat	ctccacatt	aacaccccga	aggaccagac	1920
atcactctga	tgagtgtata	ctctatcaaa	cagggcttct	ggagccatcc	acttgactgg	1980
aagccgcccc	ttggtggtct	ttttgtaata	gtctatatgt	ttgatatctc	tggcgagtcc	2040
aaagtctgct	attttcatca	cattgttttc	tgttaccaa	acatttctgg	ctgctaaatc	2100
tcgatgaata	catttttggg	aagccaagta	ctccatgcct	ctggccagct	ggtaggtgca	2160
tgacaccaag	tccttgaagg	tcattctgctc	ctcaggaaca	cggttaatgt	cataggagta	2220
ctccatccc	ggtggcctcc	gggctcggag	gtattctcgg	aggttgctt	tagaggcata	2280
ctcaactatg	acatagagag	gccccctctg	tgtgcaggct	ccaagaagat	ttatgatatt	2340
cttgtgtttc	ccaatcatct	tcattcatctc	catctctgac	accagatcag	aaaggtcttt	2400
ctctgtggca	tcattctttca	acattctcac	ggccacggtg	accgcctcct	tgggttgtc	2460
tttgtcaatt	cccactgctt	cgcctatgac	cacttgccca	aagcaacctt	ctcccaggcg	2520
cttgcccagt	gtcagcttat	ctcttgga	ctccatttt	gggtcctctg	gaagttcata	2580
ctcggagacc	cctgccagca	tgggggtgtc	tgccttgaa	gagaggcgtg	ttgttatcct	2640
caccagcggg	gtgttgag	tcattggagga	gctggactca	gccgaaactg	ttacctgtct	2700
cgcgagggg	atacgtttg	tcagcttgtg	cacagccggc	tggctgctga	agtctggctt	2760
cttggtcgtg	ttcttcattc	ggcacaggat	gactgttacc	accatacagg	cgattaagaa	2820
gacccctatg	cagtaaatgg	ctatctccag	gtagtctggg	gaagctgtaa	tctccttttc	2880
tcttcaggc	gctggcagaa	ctgtcaacca	tgcagagtga	aaggatatcc	caatagaatt	2940
accgcccaag	cacgtatatt	ccccagcgtc	ctcaaaagtt	acattccgaa	tatagagaac	3000
ctcaatctct	ttgtccgtgg	tgttaacacc	ggcggccttg	agaaccttga	gaaccttgag	3060
gtagggcagc	ccgtcggggc	cgtattttact	gccgttcttt	tccacgtgct	tgatccactg	3120
gatgtggggc	tgggcatcac	tgtaaaacct	gcagacaaac	tctacgtctc	ctccgaccac	3180
tgtggaggca	tttgccggca	gtccggcttg	gaggatgggc	cggtgaggcg	atcgctccac	3240
aacatccagg	tggtacgtgt	gattgatgga	cccgtattca	ttctccacca	cacaggcata	3300
atttcccttg	tcagatggga	ccacactttc	cataatgagg	ctccagtgtc	ggtttcgtac	3360
cttgtagcct	ccaatgcgat	gctcctgctt	aaactccttc	cogtttttca	gccaccgcat	3420
ggttggcatt	gggttcccc	cggctgggca	gcgaaacttg	acagtggttg	cgcaggcac	3480
agcatggagc	cgcttttcca	tcttttctgt	gttgggtccag	tatggtgctc	tcttggtgtt	3540
actgttctca	ctgacaaaat	cttcgcgacc	atcgggtgtc	atcctcatca	tctcgggatg	3600
agatggcatc	tgtgacattc	accatgaagt	acccaagttt	actgtcttac	agtcctactg	3660
gcagtacaag	catagaggcc	ggagtctcta	ggcgtggcgc	cctttatctg	caagtactcc	3720
ccaataagca	ctgtcctatt	gttgggcccc	aagtgcaccc	catccttagt	ccaactgatc	3780
acggcggcat	ctttcaacag	gcagcgcacc	tctagcgact	cccctggcgc	agccacgtac	3840
acttctggtt	gagagatttg	gtatttggtt	ggtggctctt	ctggctctaa	tgtggtatcc	3900
tcaactaaac	tgaaggagg	ccgggccagg	gacaaggttg	ccatggtgac	cacgaccagg	3960
cagatgaaac	gaccccagct	gaccatggtt	acggtacca	tcccgggtcc	tcttccatat	4020
ctccatgtgg	acgttaatcc	catctgcaca	cttctcttac	gggcatggac	tacgcgcaat	4080
gccttcagcc	tgcggtgggc	tcaggaaccg	aggcgtgcc	gctgctgctg	cagtcaactg	4140
aatggcaacg	ctcctccgcg	acctgtgttg	tccccgcgcc	ccgcgtgggt	cgggatggag	4200
aaagcgacga	gccgggggtt	gtggggagca	actccaaacg	cagaagagtg	gtccttgggt	4260
cttcgccggc	gccaaagctc	ccgggcttca	gcgcgtaccc	caggctgcgg	aggagcgcgg	4320
gcgatgagcc	cgcgggctgc	cctcggaattt	ggggaacgag	aggagaagaa	gactcaggct	4380
tggcgttgcc	tccaccaa	tttgtctcgg	agttgcgaag	gctcagagcg	cgcaggcaag	4440
ctgcggcctc	ggggccccc	gggctcgcgg	ccggccccc	ccagcccgga	gagcagtcgc	4500
cgcgcggggc	caggtacgcc	gcattgcagcc	ccgcggcgcc	cgagctttgt	ggcggccgcg	4560
cgcgctccct	cgcgcgctcg	gtagcagtc	acagatg			4597

<210>	6849
<211>	867
<212>	DNA



agacatttta	aaaagggtcta	aataaacaat	ctctacatgt	aaaaggccac	tgactcctac	660
ttcctctgta	tagagcaact	gttgaactca	gctgcctgta	ggaaaactga	agactttaat	720
aacaaactct	ccaaggtgaa	aatgaacaca	gcggtgggtg	tgctcgaaa	cgtgccgcca	780
tgtctgttac	gctaacatct	gtgaagagag	tgcaaagttc	tccaaaccta	ttggctgcag	840
ggcgtgattc	tcagtcacca	gactcagcaa	aaggttttag	aagcgttcga	ccaaacctac	900
aagataaaaag	atcaccaact	cagagccaga	taacagtgaa	tggaaactca	ggaggtgccg	960
tgagtcccat	gagttactat	cagaggccgt	tttccccctc	ggcatattct	ctcccagcct	1020
caactcaactc	cagcattgtc	atgcagcacg	gcacatccct	cgattccaca	gacacatatc	1080
cccagcatgc	gcagtctctg	gatggcacca	ccagcagctc	tatccccctg	taccgatcct	1140
cagaggaaga	gaagagagtg	acagtcatca	aagccccgca	ttaccagggg	atcggggccc	1200
tgatgaatc	cggaatcccc	acagcaatta	gaacgcagct	cgaccggccc	aaggactggt	1260
acaagagcat	gtttaagcaa	attcacatgg	tgcacaagcc	ggatgatgac	acagacatgt	1320
ataatactcc	ttatactatac	atcgcaggtc	tgtacaaccc	accctacagt	gctcagtcac	1380
accctgctgc	aaagacccaa	acctacagac	ctctttccaa	aagccactcc	gacaacagcc	1440
ccaatgcctt	taaggatgcg	tcctccccag	tgcttcccc	acatgttcca	cctccagtc	1500
cgcgccttcg	accaagagat	cggctcttaa	cagaaaagca	tgactgggat	cctccagaca	1560
gaaaagtgga	cacaagaaaa	tttcggtctg	agccaaggag	tatttttgaa	tatgaacctg	1620
gcaagtcac	aattcttcag	catgaaagac	cagcctcctt	gtatcagtc	tctatagaca	1680
gaagcctgga	aagacccatg	agttctgcaa	gcatggccag	tgacttcagg	aagcggagga	1740
agagcgagcc	tgcagtgggt	ccaccacggg	gcttgggaga	tcaaagtgcg	agcaggacta	1800
gcccaggccg	agtggacctc	ccaggatcaa	gcaccactct	tacaaagtct	ttcactagct	1860
cttctccttc	ttccccatca	agagcaaaaag	gtgggggatga	tagcaaaaata	tgtccatccc	1920
tttgagttta	ctcagggtct	aacggcaacc	cctccagtga	gttagattac	tgtagcactt	1980
acagacagca	cttgatgtc	cctcgggact	caccaagagc	cattagtttc	agaacaggct	2040
ggcaaatggc	cggcaaaac	gcagaaatct	ggagcagcac	ggaagaaacc	gtctctccca	2100
aaatcaaatc	cggagctgt	gcagatctct	taaacgacga	ctgcgatagc	ttccgggacc	2160
cgaaagtcaa	gtcggaaagc	atgggtctcc	tgttatgtga	ggaggactcc	aaggagagct	2220
gccccatggc	gtgggggtcc	ccctacgtcc	cggaggttcg	cagtaacggc	agatcaagga	2280
tcagacacag	gtcagcccg	aacgccccgg	ggttcctgaa	gatgtacaag	aaaatgcacc	2340
gcatcaaccg	caaggacctg	atgaactccg	aggtgatctg	ctccgtgaag	tccaggattc	2400
tgagtagcga	gagcgagcag	cagcacaagg	acctgctgcg	cgcttgagc	cagtgtctca	2460
cggaggaggt	gccccgggac	atggtgcca	cacgcctctc	cgaattcgaa	aagctgatcc	2520
agaagtccaa	atccatgcca	aatttagggg	atgacatgct	gtctcccgta	accctagaac	2580
caccgcaaaa	tggcctatgt	ccaagaggc	ggttttccat	tgagtatttg	ctggaggaag	2640
aaaatcaaa	cggccccccc	gctcggggcc	ggcgaggctg	ccagtctaac	gccctggtgc	2700
ccattcacat	tgaagtcacc	agcgatgagc	agccccgagc	acacgtggag	ttttccgaca	2760
gcgaccagga	cggggttgtg	tccgaccaca	gtgactacat	tcacctagag	gggtcatcct	2820
tctgcagtga	aagtgaactt	gatcaacttt	ccttcacatc	ctccgaaagc	ttttacggat	2880
ccagccacca	ccaccaccat	caccaccacc	accaccaccg	ccacctcatc	agctcctgca	2940
aaggcaggtg	cccgcctcc	tacactcgat	ttaccacaat	gttaaaacac	gaaagagcca	3000
gcacgaaaaa	caccgaggag	ccagaaaggc	aagaaatgga	ccctggcctt	tctaaacttg	3060
cttttctagt	cagtcctgtg	cctttccgga	ggaaaaaaa	ttcggctcct	aagaaacaga	3120
ctgaaaaggc	aaaatgtaaa	gcatctgtgt	ttgaggctct	ggactctgcc	cttaaagaca	3180
tctgtgacca	aattaaagct	gaaaagaaaa	gggggagctt	gccggacaac	agcatcctgc	3240
accgcctcat	cagtgaagctg	ctgccagatg	ttcccgagag	gaactcatcc	ctgagagcgc	3300
tgaggaggag	ccccctgcac	cagcctctcc	accactgcc	tcccgatggt	gctattcatt	3360
gtccacccta	ccagaatgac	tgcggaagaa	tgccccgcag	ttgctcttt	ccaaggacgt	3420
gggacacag	ccaacaggca	gtttgccacc	accaagaccg	tgggcggtgg	cattccaaga	3480
ccgtgagtc	cctagaagtt	actcatccac	tttgactgac	atggggagaa	gtgcaccaag	3540
ggaaagaaga	ggaactccag	aaaaagagaa	attgcctgca	aaagctgttt	atgattttta	3600
ggctcagaca	tctaaggagt	tgtcatttaa	gaaaggagat	actgtctaca	tcctcaggaa	3660
aattgatcaa	aattggtatg	agggagaaca	ccacgggaga	gtgggcatct	tcccgatctc	3720
atacgtagag	aaactcacac	ctcctgagaa	agcacagcct	gcaagaccac	ctccgccagc	3780
ccagcccgga	gaaatcggag	aagctatagc	caaatacaac	ttcaacgcag	acacaaatgt	3840
ggagctgtca	ctgagaaaag	gagatatag	tattcttctt	aaaagagttg	atcaaaactg	3900
gtatgaaggt	aaaatcccag	gaaccaacag	acaaggcatc	ttccctgttt	cctatgtgga	3960
ggctgtcaag	aagaacacaa	aagggtgctga	ggactaccct	gacctccaa	taccacacag	4020

ctattctagt	gataggattc	acagcttgag	ctcaaataag	ccacagcgtc	ctgtgtttac	4080
tcatgaaaat	attcaagggtg	ggggggaacc	gtttcaggct	ctgtataact	atactcccag	4140
gaatgaagat	gagctggagc	tcagagaaaag	tgatgtcatt	gatgtcatgg	gaaaagtgtg	4200
gatgacggct	ggtttgtggg	ggacctcaag	gaaggaaacca	aatttctttt	gggtactttc	4260
cccaggaaaa	ctacgttcaa	agaggctgtg	aaattgctgt	cccttccttc	ttgtaagagg	4320
ccgcctgcc	agccatgcac	cttgcggtcaa	cgcgcctgaa	acacccccgc	gggcctcccg	4380
ttgtcatgcc	ttacggtttc	caatgcgccc	tcaccatctc	cacttggcca	ccaaaccacc	4440
agcagagtag	ccgccgctgc	tgtgagcctg	gggacgacat	ggcaggctgg	tccccctccg	4500
tgaaagtgtg	gattcctact	tcctgctcta	agctttgaca	ccgtcaaaat	gtgggatcag	4560
aaagaaaaaa	aatcatgata	tttaaaaatg	gtcaaatatt	tgaggcaaaa	aaaaa	4615

<210> 6851  
 <211> 4146  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(4147)  
 <223> n = a,t,c or g

<220>  
 <221> misc\_feature  
 <222> (287)...(3058)  
 <223> similar to gi2407641 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 6851	
gagacatggc	ccgggcagtg gctcctggaa gaggaacaag tgtgggaaaa gggagaggaa 60
gccggagcta	aatgacagga tgcaggcgac ttgagacaca aaaagagaag cgttcctctc 120
ggatccaggc	attgcctcgc tgccttcttt tctccaagac gggctgagga ttgtacagct 180
ctaggcggag	ttggggctct tcggatcgct tagattctcc tctttgctgc atttcccccc 240
acgtcctcgt	tctccgcgct ctgcctgcgg acccggagaa gggagaatgg agagggggct 300
gccgctcctc	tgcgcgctgc tcgcccctgt cctcgccccg gccggtgctt ttgcgaacga 360
taaatgtggc	gatactataa aaattgaaag ccccggttac cttacatctc ctggttatcc 420
tcattcttat	cacccaagtg aaaaatgcga atggctgatt caggctccgg acccatacca 480
gagaattatg	atcaacttca accctcactt cgatttggag gacagagact gcaagtatga 540
ctacgtggaa	gtcttcgatg gagaaaatga aaatggacat tttaggggaa agttctgttg 600
aaagatagcc	cctcctcctg ttgtgtcttc agggccattt ctttttatca aatttgtctc 660
tgactacgaa	acacatgggtg caggattttc catacgttat gaaattttca agagagggtcc 720
tgaatgttcc	cagaactaca caacacctag tggagtgata aagtcccccg gattccctga 780
aaaatatccc	aacagccttg aatgcactta tatttgtctt tgcgcaaaag atgtcagaga 840
ttatcctggg	attttgaaag ctttgacctg gagcctgact caaatcctcc aggggggatg 900
ttctgtcgtc	acgaccggct agaaatctgg gatggattcc ctgatgttgg ccctcacatt 960
gggcgttact	gtggacagaa aacaccagggt cgaatccgat cctcatcggg cattctctcc 1020
atggtttttt	acaccgacag cgcgatagca aaagaagggt tctcagcaaa ctacagtgtc 1080
ttgcagagca	gtgtctcaga agatttcaaa tgtatggaag ctctgggcat ggaatcagga 1140
gaaattcatt	ctgaccagat cacagcttct tcccagtata gcaccaactg gtctgcagag 1200
cgctcccgcc	tgaactaccc tgagaatggg tggactcccc gagaggattc ctaccgagag 1260
tggatacagg	tagacttggg ccttctgcgc tttgtcacgg ctgtcgggac acagggcgcc 1320

atttcaaaag	aaaccaagaa	gaaatattat	gtcaagactt	acaagatcga	cgttagctcc	1380
aacggggaag	actggatcac	cataaaagaa	ggaaacaaac	ctgttctctt	tcagggaac	1440
accaaccca	cagatgttgt	ggttgcagta	ttccccaac	cactgataac	tcgatttgct	1500
cgaatcaagc	ctgcaacttg	ggaaactggc	atatctatga	gatttgaagt	atacggttgc	1560
aagataacag	attatccttg	ctctggaatg	ttgggtatgg	tgtctggact	tatttctgac	1620
tcccagatca	catcatccaa	ccaaggggac	agaaactgga	tgcctgaaaa	catccgcctg	1680
gtaaccagtc	gctctggctg	ggcacttcca	cccgcacctc	attcctacat	caatgagtgg	1740
ctccaaatag	acctggggga	ggagaagatc	gtgaggggca	tcatcattca	gggtgggaag	1800
caccgagaga	acaaggtgtt	catgaggaag	ttcaagatcg	ggtacagcaa	caacggctcg	1860
gactggaaga	tgatcatgga	tgacagcaaa	cgcaaggcga	agtcttttga	gggcaacaac	1920
aactatgata	cacctgagct	gcggactttt	ccagctctct	ccacgcgatt	catcaggatc	1980
taccccgaga	gagccactca	tggcggactg	gggctcagaa	tggagctgct	gggctgtgaa	2040
gtggaagccc	ctacagctgg	accgaccact	cccaacggga	acttgggtgga	tgaatgtgat	2100
gacgaccagg	ccaactgccca	cagtgggaaca	ggtgatgact	tccagctcac	aggtggcacc	2160
actgtgctgg	ccacagaaaa	gccacaggtc	atagacagca	ccatacaatc	agagtttcca	2220
acatatggtt	ttaactgtga	atlttgctgg	ggctctcaca	agaccttctg	ccactgggaa	2280
catgacaatc	acgtgcagct	caagtggagt	gtgttgacca	gcaagacggg	acccattcag	2340
gatcacacag	gagatggcaa	cttcatctat	tcccaagctg	acgaaaatca	gaagggcaaa	2400
gtggctcgcc	tggtagagccc	tgtgggttat	tcccagaact	ctgcccactg	catgaccttc	2460
tggtagcaca	tgtctgggtc	ccacgtcggc	acactcaggg	tcaaactgcg	ctaccagaag	2520
ccagaggagt	acgatcagct	ggtctggatg	gccattggac	accaaggtga	ccactggaag	2580
gaagggcgctg	tcttgctcca	caagtctctg	aaactttatc	aggtgatttt	cgagggcgaa	2640
atcggaaaag	gaaaccttgg	tgggattgct	gtggatgaca	ttagtattaa	taaccacatt	2700
tcacaagaag	attgtgcaaa	accagcagac	ctggataaaa	agaaccocaga	aattaaaatt	2760
gatgaaacag	ggagcacgcc	aggatacgaa	ggtgaaggag	aaggtgacaa	gaacatctcc	2820
aggaagccag	gcaatgtgtt	gaagacctta	gaacccatcc	tcatcaccat	catagccatg	2880
agcgccctgg	gggtcctcct	gggggctgtc	tgtggggctg	tgtgtactgt	tgcctgttgg	2940
cataatggga	tgtcagaaaag	aaacttgtct	gccctggaga	actataactt	tgaacttgtg	3000
gatggtgtga	agttgaaaaa	agacaaaactg	aatacacaga	gtacttattc	ggaggcatga	3060
aggcagacag	agatgaaaag	acagtcaaag	gacggaagtg	gaaggacggg	agtgagctgg	3120
ggagctgttg	atctttcact	atacaggctg	ggaagtgtgt	tgatgaccac	tgagccaggc	3180
ttttctcagg	agcttcaatg	agtatggccg	acagacatgg	acaaggagct	gtgttcacca	3240
tcggactcat	gtgcagtcag	cttttttccct	gttgggttca	tttgaataat	cagatgctgg	3300
tgttgagacc	aagtatgatt	gacataatca	ttcatattga	cccctcctgc	ccctctctct	3360
ctctctcctc	tcccctttgt	ggattctttt	tggaaaactga	gcgaaatcca	agatgctggc	3420
accaagcgta	ttccgtgttg	ccctttggat	ggacatgcta	cctgaaaccc	agtgcccgaga	3480
atatactaga	atcacccgat	ttcagtggac	tcctgaagtt	gtacttgtgt	ataattgccc	3540
gcgtcgtgca	taggcaaaga	aggattaggc	tgttttcttt	ttaaagtact	gtagcctcag	3600
tactggtgta	gtgtgtcagc	tctgtttacg	aagcaatact	gtccagtttt	cttgctgttt	3660
ttccggtgtt	gtactaaacc	tcgtgcttgt	gaactccata	cagaaaacgg	tgccatccct	3720
gaacacggct	ggccactggg	tatactgctg	acaaccgcaa	caacaaaaac	acaaatccct	3780
ggcactggct	agtctatgtc	ctctcaagtg	ccttttttgt	tgtactgggt	cattgtgtta	3840
cattaacgac	ccactctgct	tcttgctggg	gaaagccctg	ctctttaatc	aaactctggg	3900
ggcccactga	ctaagaagaa	agttttatgtt	cgtgtgagat	gccagccctt	ccgggcaggc	3960
aagggtctctg	aagatttggg	caacgtgggc	ttaaattgtt	ctgctttttc	tgtagttcaa	4020
tttcatgttt	cttgnaccct	ttttgtataa	agctgcaata	ttctctctta	ttgttcnttt	4080
catatggaat	gtaatttctc	gtgccgaatt	cctgcaggcn	aatcaattaa	aatccccccg	4140
gcgccc						4146

- <210> 6852
- <211> 920
- <212> DNA
- <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (232)...(727)  
 <223> similar to gi41923 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 6852

cctgctgacc	tccggcgcta	ccgttgacga	ctataacgac	gcacctgctg	atgctcagca	60
gagcgaagta	ctcagagggc	tgaaagtgcg	gttgagtaaa	gccgaagggtg	agaagtgtccc	120
acgctgctgg	cactacaccc	aggatgtcgg	caagggtggcg	gaacacgcaa	aaatctgcgg	180
ccgctgtgtc	agcaacgtcg	ccggtgacgg	tgaaaaacgt	aagtttgcct	gatgagtcaa	240
tcgatctgtt	caacagggct	acgctggctg	tggtctggtg	tagtcgtgct	gattatcgat	300
ctgggcacgc	aaatacctga	tcctccagaa	ctttgctctg	ggggatacgg	tcccgtgttt	360
cccgtcgctt	aatctgcatt	atgcgcgtaa	ctatggcgcg	gcgttttagtt	tccttgccga	420
tagcggcggc	tggcagcggt	ggttctttgc	cgggtattgcg	attggtatta	gcgtgatcct	480
ggcagtgatg	atgtatcgct	cgaaggccac	gcagaagcta	aacaatatcg	cttacgcgct	540
gattattggc	ggcgcgctgg	gcaacctgtt	cgaccgcctg	tggcacggct	tcgtagtcga	600
tatgatcgac	ttctacgtcg	gcgactggca	cttcgccacc	ttcaaccttg	ccgatactgc	660
catctgtgtc	ggtgcggcac	tgattgagct	ggaaggtttt	ttgccttcta	gagcgaaaaa	720
acaataataa	accctgccgg	atgcgatgct	gacgcattct	atccggccta	cagattgctg	780
cgaaatcgta	cgccggataa	ggccgttatg	ccgcattccg	caaaaatcct	taaatataag	840
agcaaacctg	cattgttgaa	tctgtacaga	gcaatagccg	ccgtcctggt	gcacgttacg	900
cttaaacttg	acgatggccc					920

<210> 6853  
 <211> 1092  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (893)...(124)  
 <223> similar to gil787659 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 6853

gtttcaggca	ctctgccagt	tgtgcgtgca	tctcatcatt	aaaactgttc	aggcgttccg	60
ggcggttgag	cgttagtgtc	atcacgccct	tttctacatg	actgaggatg	aattccatca	120
ttagcgtcct	ttaaagtccg	gcgtgcgttt	ttgtaagaaa	gcggagatgc	cttcatgacg	180
atcttctgtt	gccgccagca	aggtgaataa	ctgtcgctcc	tgggcaagtc	cggcttgcaa	240
agccacttcc	tgcgactggc	gcagcgcttg	ctttgccgct	tgtaaggcca	gcggcgagtg	300
acgtgccatt	ttcgatgcca	gctgtaaggc	gtattcgagg	gttaaatacgc	tggggaagac	360
gtcgctaacc	agcccggcct	gctgtgcttg	ctgagcggtg	atactttctc	cgctcagcac	420
cattttgctg	gctaacgatt	taccgacact	acggattaaa	cgttgcgttc	cgctgcgcc	480
aggcatgatg	ccgagagtga	tttcgggcaa	cccaaacgc	gcgttctctc	cggcaaccac	540
cacatcgcac	aacaatgcca	gttcgcaacc	cgccccaaagc	gcgtaaccat	tgacgggttg	600

```

cgataagttg gttaataaaag gcccgccatc ccgccccaaaa atccggggagg gtgttttcgta 660
aaggggcccc cgagatcttt ttccgccatt tcgttgagat cggcccccagc ggcaaaaaaag 720
cgtgcattac cggtaatcac acagaccgaa atgctggtat cggtagccgc agcttccagt 780
tcattttacca gttgcatcag cagggcatta tttagcgcac tacgtgcggc gggacgggta 840
agggtcagca acaataactcg ttgctgacgg ctgacgatca gttcgctcat gccatcccct 900
tcgcgtcaaaa gtcaaccacc acatcgctgg tcagcggcag tgcctggcaa ctcaacacat 960
aacctgcggc cagttcatcc ggttccagac tgtaattggt ttccatcgcc actttgccac 1020
gcagcacttc gcatttgacag atcgcacaga cgccgccttt gcaggcatag ggcagatctc 1080
cgggtaccga cc 1092

```

```

<210> 6854
<211> 5725
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(5726)
<223> n = a,t,c or g

```

```

<220>
<221> misc_feature
<222> (5642)...(3984)
<223> similar to gil504022 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

```

```

<400> 6854
tttttttttt ttaaggactg cagtatttat tttattttta tattatttat ttattctttg 60
ttagtttttg gagtgtgggt ttgtttttgt tttttgaatt ttttattttg ttctaactcg 120
gttttattct tattgctcaa ggcttgagtg caactggcct cttctcaagc ntcaacctcc 180
gccttcttgg gttcgggtaa tgatgggtcc acgtcagcgg ccctccgcct tcttgggttt 240
gcgttaagggt ttccacgggc accgaacctt ccgcctcttg ggggttcgggt gatgatgggt 300
tccaccgntt caagccgggg gggccccccc cccccccctt ccgcctcctt tgggtttgcc 360
gtgaacgggt ccacaatcac cgacccttac gcctcttggg ttcggggtgat gatgggttcc 420
acgtcagcgg gccctccgcc tcttgggttt gcgtgacggg tccacgtcac cgacctccg 480
cctcttgggt tcgggaggtg gtccatcttc agccgccttc tgccctcttg gtttgctggt 540
tttttctgcc tcagcctcct gagtagctaa gggaggtgtc ttgagattat catccgctga 600
gggtggaagc ggcccccgca gacgctcggc aggtgtcttg atattatcat ctgctgaggg 660
tgagctgag ggtggaaggg gagtgagctg acgctcagaa ggtgtcttga gattatcatc 720
cgctgagggt ggaagcggcc ccccgagac gctcggcagg tgtcttgata ttatcatctg 780
ctgagggtgg agctgagggt ggaaggggag tgagctgacg ctcggaagggt gtcttgagat 840
tatcatccgc tgagggtgga agcgcccccc gcagacgctc cccgcagacg ctcggcagggt 900
gtcttgatat tatcatctgc tgagggtgga gctgagggtg gaaagggagt gagctgacgc 960
tcggaagggt tcttgagatt atcatccgct gagggtggaa gcggcccccg cagacgctcc 1020
ccgcagacgc tcggcaggtg tcttgatatt atcatctgct gagggtggag ctgagggtgg 1080
aaggggagtg agctgacgct cggaagggtgt cttgagatta tcatccgctg aggggtggaag 1140
cggcccccg cagacgctcg cagggtgtctt gatattatca tctgctgagg gtggagctga 1200
gggtggaagg ggagtgagct gacgctcggg aggtgtcttg agattatcat ccgctgaggg 1260
tggaagcggc ccccgagac gctcggcagg tgtcttgata ttatcatctg ctgagggtgg 1320
agctgagggt ggaaggggag tgagctgatg ctcggaagggt gtcttgagat tatcatccgc 1380

```

tgaggggtgga	agcggccccc	gcagacgctc	ggcaggtgtc	ttgatattat	catctgctga	1440
gggtggagct	gaggggtgaa	ggggagttag	ctgacgctcg	gaaggtgtct	tgagattatc	1500
atcggctgat	ggtggaagcg	gaatccgcag	acgctcagca	ggtatcttga	tattatcatc	1560
tgctgagggg	ggagctgagg	gtggaagggg	agttagctga	cgctcggaag	gtgtcttgag	1620
attatcatcc	gctgaggggtg	gaagcggccc	ccgcagacgg	ctcgccagg	gtccttgata	1680
ttatcatctg	ctaaggggtga	agctaagggg	ggaaggggag	tgagctgacg	ctcggaagg	1740
gtcttgagat	tatcatccgc	tgaggggtgga	agcggccccc	gcagacgctc	cccgagacg	1800
ctcggcagg	gtcttgatat	tatcatctgc	tgaggggtgga	gctgaggggtg	gaaagggagt	1860
gagctgacgc	tcggaagggtg	tcttgagatt	atcatccgct	aaggggtgaa	aacggccccc	1920
cgaaaacgcc	tcggccagg	gtccttgaat	attatcatct	gcctgaggg	ggagctgagg	1980
gtggaaggg	gaagttgagc	gcacgctcgg	aaggtgtctt	gagattatca	tctgctgagg	2040
tctgctgaag	ccctcgaga	cgctcncgc	agacgctcgg	caggtgtctt	gatattatca	2100
gtggaagcgg	ggtggaagctg	aggggtggaag	gggaagttga	gcgcacgctc	ggaaggtgtc	2160
ttgagattat	catccgctga	gggtggaag	cgcccgcg	agacgctcgg	caggtgtctt	2220
gatattatca	tctgctgagg	gtggagctga	gggtggaag	gggaggttac	tgacgctcgg	2280
aaggtgtctt	gagattatca	tccgctgagg	gtggaagggg	atggagcaga	gtactcggca	2340
cgtgtcttga	gattatcatc	cgctgaggg	ggggctgggg	gtggagctga	gggtggaagg	2400
ggagttagca	gacactcggg	aggtgtcttg	agattatcat	ccgctgaggg	tggaagggga	2460
gtgagcagac	actcgggagg	tgtcttgaga	ttatcatccg	ctgaggggtg	aaggggagt	2520
agcagacact	caggaggtgt	cttgagatta	tcatccgctg	agtgnaagg	agagctgagg	2580
gtggaagggg	agttagcaca	cactcgggag	gtgtcttgag	attatcatcc	gctgaggggtg	2640
gaaggggagt	gagcacacac	tcgggaggtg	tcttgaggct	caggaggtta	tcagttatag	2700
aatgttggtg	agttggagga	ggtggctggt	ggcccatcct	gttttttaaa	gtttcagctg	2760
tgaggtaggg	ccagtagggc	aatcctgaag	aatgacgatg	ctccgctgcc	gccattctga	2820
cccagttgca	aagagccttt	cttgacagaag	gggggatttt	gcatttgtgg	tagtcctctg	2880
ctcggccgg	caactcttgc	gcacgttgaa	acattttctg	ttttctggcg	gtcttcctct	2940
ttccattgat	tttgtcatga	cggttgattt	tcgttgtcac	cttcctctta	cggatttttag	3000
ctctaacttt	tgtttccaca	tgctccgta	gagtaatgac	gtctttcagg	ccaattttat	3060
ttcctcgaaa	ggaagaaact	cttttctttg	tgtgcataca	aatggacctc	agcccttcct	3120
gtctacggcg	ggtggacctc	caggctctct	gctgtacatc	cgtggatcca	tcatgtccat	3180
ttcgagacca	gaagatagtc	ttcaggagag	acacccaaag	gtaaaactatc	cagagggtaa	3240
tgacaacttt	ataacttgtc	ggaaacgcaa	taatgacatg	taaccaagga	cttccaccaa	3300
agtcagtccc	acgatgatga	tggtcagaca	gagtattgat	aaccttcctc	aggtaactcg	3360
atgggcatgt	cactgacttt	acatgctgct	gcagctcctt	ggtgagctgg	ccctggtcac	3420
gggacaggaa	ctgtgggggtc	aggacaatag	agagcttcac	catttgcaga	atgagaacag	3480
gggctcatga	tgagtgccaa	cctcagtttt	cttctgtgtg	aaacaggaac	aatagtttca	3540
ttcgtcattc	agtttctctc	aagatttcac	gagatcatac	ctttaatttt	ctccaacaac	3600
tgattctggt	acacagtata	ccttaatgcc	tgcatccacg	gcctcacgctc	atgctgttta	3660
catgaacgta	aagcttcgcc	gaagagtggg	ataagacagt	cctctgttga	aagtctgtta	3720
gaaactgtgg	tctccaaagc	agacgagcaa	tacagctgca	aggtaacttag	aactggcaaa	3780
gactgtgaaa	ctgttaaagt	agaaagtctc	agaggtccaa	tagcgatgcg	ggatgtttgc	3840
ttcaagtact	ttaccacatt	ttcagttata	gactgccact	tctgatcttg	ttctatcggg	3900
tttaaagcag	ttgccaacaa	aacagaactt	cttaacaatg	gaacttcaat	ggatttctga	3960
ggttcccttg	gatctggact	tcacatgtta	cgaagcagtt	ttttcatgtc	tattttttct	4020
tttgatcctc	cagcaagtag	attgatattt	tctcctggta	acaattctaa	ttgctcggta	4080
cattcaacaa	attttccaga	ctcaaagctg	cttaatgatt	ttatatagtt	gaagtcagct	4140
ttcaggttga	gggaagtgtc	actggtactc	tttttcaagt	catggatagc	gttctgccat	4200
tcctgcacag	cagcccaatc	ggcagttgag	atgtagcact	cacatgcttt	gtttcctaaa	4260
taattttataa	cctcagggga	agagtgcagc	ggtttggaca	gcacactttt	tctggattca	4320
ccattcagac	aatgtttcag	gctggcactc	ttacaccacg	cactggctaa	ggtgagcacc	4380
gatttgtcaa	agctggagat	gcagcaatca	acacctgtca	tggcacacag	gtgttcctgg	4440
tactccacag	aggccttttc	aaacctccct	tcagcctgtt	gagccactga	gttaatccac	4500
agaagatgtt	ttccaacaat	agatgatgac	cagacagcaa	ttccctgtat	agcttcagga	4560
caatgaagtt	cacatagtg	ttctaccacc	atcataatgc	ttacttccaa	ttcattcccc	4620
tgagataggc	tggttgtttt	catctctgta	agcaagtcaa	agccatgtct	cactgtcact	4680
gcaggctggc	ctgccaacaa	tcctaccctc	atgatggaga	gtcgaatccg	cgttagccag	4740
tcctgacaag	tttggcgatt	ggtatacaaa	aaagttctaa	tgaccttggg	aggtgaagtt	4800





```

gtttctccctg gacgacctgc tgaccaatgt catgctctac tggacaacag gcaccatcat 1320
ctcctcccag cgcttctaca aggagaacct gggacagggc tggatgaccc agaagcatga 1380
gcggatgaag gtctatgtgc cactggctt ctctgccttc ccttttgagc tattgcacac 1440
gcctgaaaag tgggtgaggt tcaagtaccc aaagctcatc tcctattcct acatggttcg 1500
tgggggccac tttgcggcct ttgaggagcc ggagctgctc gcccaggaca tccgcaagtt 1560
cctgtcggtg atggagtggc aatgacccac ccctctcccc ccgtctgcca cctcccccca 1620
caagtgcctt ccaggctttt cttggggaag ataccctttt tctgaggaat gagtttgcct 1680
ccgtcccctg cccatgctgg gagccacgc tcaccctctc acccctccaa gctcactccc 1740
caacccccaa ctccgtgtgg taagcaacat ggctttgatg ataaacgact ttactctaaa 1800
aaaaaaaaaa agggggggcc gttttaaagg atccaagttt acgtccccgg gcttgcaagg 1860
taaaagtttt tttatggggc ccccaaaatt aaattcccgg gccggggttt aacaacgcgg 1920
ggaggggaaa aaccggggg ttccccaatt aaatggcttt gaagaaaatc cccttttcgc 1980
caggggggga aaaaaaaaaa aggcgg 2006

```

```

<210> 6856
<211> 1923
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (201)...(1734)
<223> similar to gi32460 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 6856
cgaaggctga ggtgggatcc tcccaagttc ccttagtagc cagcttcggc acttccggga 60
ggagccggaa ataatttttg tgctcggcgg aggtctctta ggcgtgcgac ccagcgactc 120
gatagccgga agtcacctt gctgaggctg gggcaaccac cgcaggctga gacagcaggc 180
ggctcaagtg gacagccggg atggcagagc gtgcggcgct ggaggagctg gtgaaacttc 240
agggagagcg cgtgcgaggc ctcaagcagc agaaggccag cgcagagctg atcgaggagg 300
aggtggcgaa actcctgaaa ctgaaggcac agctgggtcc tgatgaaagc aaacagaaat 360
ttgtgctcaa aacccccaa ggcacaagag actatagtcc ccggcagatg gcagttcgcg 420
agaaggtggt tgacgtaatc atccgttgct tcaagcgcca cgggtgcagaa gtcatgata 480
cacctgtatt tgaactaaag gaaacactga tgggaaagta tggggaagac tccaagctta 540
tctatgacct gaaggaccag ggcgggggagc tcctgtccct tcgctatgac ctcaactgtt 600
cttttgctcg gtatttgcca atgaataaac tgaccaacat taaacgctac cacatagcaa 660
aggtatatcg gcgggataac ccagccatga ccctggccg ataccgggaa ttctatcact 720
gtggattttg acatcgctgg ccagtttgat cccatgaatc ctgatgcaga gtccctgaag 780
atcatgtgag agatcctgag ttcacttcag ataggcaact tcctgggtcaa ggtaaattgat 840
cggcgcatcc tagatggaat gtttgctgtc tgtggtgttc ctgatatcaa gttccgtacc 900
atctgctcct cagtggacaa actagataag gtgtcctggg aggaagttaa gaatgagatg 960
gtgggagaga agggccttgc accagaagtg gctgatcgca ttggggacta tgtccagcaa 1020
catggtgggg tttccctggg ggaacaactg gtccaggatc ctaaaactatc ccaaaacaag 1080
caggccttgg agggcttggg agacctgaag ttgctctttg agtacctgac cctatttggc 1140
attgatgaca aaatctcctt tgacctgagc cttgctcgag ggctggatta ctacactggg 1200
gtgatctatg aggcagtgt gctacagacc ccagcccagg agggggaaga gcccctgggt 1260
gtgggcagtg tggctgctgg aggacgctat gatgggctag tgggcatgtt cgaccccaaa 1320
gggcgcaagg tcgcatgtg tggggctcag cattggggtg gagcggttt tctccatcgt 1380
ggaacagaga ctagaggctt tggaggagaa gatacggacc acggagacac aggtgcttgt 1440

```

```

ggcatctgca cagaaaaagc tggctagagg aaagactaaa gcttgtctca gaactgtggg 1500
atgctgggat caaggctgag ctgctgtaca agaagaaccc aaagctactg aaccagttac 1560
agtactgtga ggaggcaggc atcccactgg tggctatcat cggcgagcag gaactcaagg 1620
atgggggtcat caagctccgt tcagtgcacg gcagggaaga ggtggatgtc cgaagagaag 1680
accttgtgga ggaaatcaaa aggagaacag gccagcccct ctgcatctgc tgaactgaac 1740
aaactatcag aggaaaggaa gtgggactgg cactatttga ggttaagaca aactgcata 1800
gtacttcaat tgctttgcac ttttccgttt cagcggaaga cctgaagagt ggtcagaaca 1860
gagcctttga tttttattat gggtattttt ttgattatta ctggcaaaaa cggccaggta 1920
caa 1923

```

```

<210> 6857
<211> 1209
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(1210)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (951)...(0)
<223> similar to gi205755 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 6857
tttttttttt ttgacacaag actaattact ttattaggtg cattctataa gttgaagagg 60
agaatttttg gcaaataaat aaataaataa ataaataatc aaacagagac tctggggccc 120
gaggagctca ggaaaacgga agcggagtct ttgcatagtt ctaaataaac aggaggtggc 180
agcagtaggc aacgcggatt ctcggcggaa atgcagcact tgcaaaaacc agggacagaa 240
ggctttgaga aagaggagaa ggtcagaagg tgactaacta tttctttttc gtagagacca 300
tggtgtggaa catctgtcct ctctaccagg ggcaggatgc cgcgtcctac atgatctgcc 360
tgggcatccc gtaccctgtc atgcccgcct gggaggctcc cttgttgctg cccatctgca 420
ggcctattac gttctgtccc tggcgaagct gctcctcgga aaagcctctc cgattctgct 480
gggctttcct gtgaaaccag gatggctctc cccgatagca gccatcatcc ttggtgactg 540
caacgctgcc taaagccatc agggctcctc gcacagctgc catgtccttc ccttcccata 600
gatccaccgt ctgaaagatg tcggtggttc tgacaccata ggtctccgca gcttttagga 660
actgggagat ttgctccatc tgcttaaaaag ccatctttga ctctgagatc ttgggtatgg 720
gctcttgctc tgggtgggtat aaactattta tcagcttgca caggaccgtc ccgtccatta 780
accatttctg aaaatgggcc ctgcccgggg gcgggtgctc tatgtcctcg gcgcactgca 840
ggatgatcca gtccaccagc ttgttctcca ggtccgcac atacttctgc tcgattctct 900
cctgcacctc tcggtttaag ccatagctcg ggcccctgtt agccatctaa tcaagtctga 960
acccccaggc agcaaggggg atgggtggcg gacgtttctt cccgcttctc agtagcactt 1020
tgcaaaggca gaaacgatga gatcggaag agcaggtaat tagcaggcag ggaggaagcc 1080
tcctttcatg ttgaactgca gccgctgctg cctcgcgcct ggaagaatgg cacattgatt 1140
tgattttctc atggctgagt gggctcaacc agggccggtt ctaaganccc tcgtgccgaa 1200
ttcctgcag 1209

```

<210> 6858  
 <211> 2338  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <221> misc\_feature  
 <222> (24)...(1399)  
 <223> similar to gi4185794 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 6858  
 tttcgtgctc tgccagcggg accatgctgc tccgagtcgc ttggaggcgg gcggcagtgg 60  
 cggtgacagc ggctccaggg ccgaagcccg cggcgcccac tcgggggctg cgctgcgcg 120  
 ttggagaccg tgctcctcag tctgcggttc ccgcagatac agccgctgcc ccggagggtgg 180  
 ggccagtgtc ggcacctctc tatatggatg tgcaagctac aactcctctg gacccccggg 240  
 tgcttgatgc catgctccct tacctaataca actactatgg gaaccacac tcccggacac 300  
 atgcttatgg ctgggagagt gaggcagcca tggaaactgc tcgtcagcaa gtagcatctc 360  
 tgattggagc tgatcctcgt gagatcattt ttactagtgg tgctactgaa tccaacaaca 420  
 tagcaattaa gggggtggcc cgattctaca ggtcacggaa aaagcacttg atcaccaccc 480  
 agacagaaca caaatgtgtc ttggactcct gccgttcaact ggaagctgag ggctttcagg 540  
 tcacctacct ccagtgacag aagagtggga tcattgacct aaaggaacta gaggtgcta 600  
 tccagccaga tactagcctg gtgtcagtca tgactgtgaa caatgagatt ggagtgaagc 660  
 agcctattgc agaaataggg cggatttgca gttccagaaa ggtatatattc catactgatg 720  
 cagcccaggc tgttgaaaa atcccacttg atgtcaatga catgaaaatt gatctcatga 780  
 gcattagtgg tcacaaaatc tacggtccca aaggggttgg tgccatctac atccgtcgcc 840  
 ggccccgtgt gcgtgtggag gccctgcaga gtggaggggg gcaggagcgg ggtatgcggt 900  
 ctgggacagt gcccacaccc ttagtggtgg ggctgggggc tgcgtgtgag gtggcacagc 960  
 aagagatgga gtatgaccac aagcgaatct caaagttgtc agagcggctg atacagaata 1020  
 taatgaagag ccttccagat gtggtgatga atggggaccc taagcaccat tatcccggt 1080  
 gtatcaacct ctcttttgca tatgtggaag gggaaagtct gctgatggca ctgaaggacg 1140  
 ttgccttata ctcagggagt gcctgcacct ctgcacctct ggagccctct tatgtgctta 1200  
 gagcaattgg cactgatgag gatttagcgc actcttctat caggtttgga attggccgct 1260  
 tcactacaga ggaggaagtg gactacacag tggagaaatg cattcagcat gtgaagcgtc 1320  
 ttcagaaaat gagccctctc tgggagatgg ttcaggatgg cattgacctc aagagcatca 1380  
 agtggaccca aactagaag aataggggcc tgactttgtg ctggtctggc ccctcctgcc 1440  
 tcaccaaccc gtgcacaacc agacaccttg ttacacctag tggatgctct agattggtat 1500  
 agaccagttg acttcagcat cagtccacct ctatgacaga aacacaagaa aactgtcttt 1560  
 ccctagcttc agttccttgg gtgtggagca ctccccattt cttctcgggt cttaaagtgt 1620  
 gtggacattt tcatcccgaa gccatagaga catttgctgt catattgctg ctgggcacat 1680  
 ctgtgctctt ggtgaggaga gcaagaggaa ccagaagaag tctctttggt cagggacctat 1740  
 gatgctctac atggacattt gagtcttctg cttctgctgc tgctcggctg gaccagcttc 1800  
 tttaacagca agcataatcc acttcaatgt aatattttct gtagctcaa aggctatctc 1860  
 ttcatattga ctgcagacag actgaatgga cagtttctta gagggcttgt ctcttttcta 1920  
 cccttggcct ctttcttttc ctttgacctt atggagctag aaatatgtct gtgactccac 1980  
 cagttattct aataatttgt tttcttgaaa attgttaatt tcaagactgg agaaataaac 2040  
 tcaccttcta tttacccttg tgacctttat gagagggttg gggaaaagtg gaagcctgta 2100  
 ccttgggaat tgtggagaag accgcccact cccatcctga tttgcataaa tgacctcagt 2160  
 gggcttttgt atctcttcat ttaagacatt atttgaatgc ctgccaggag ccagatttgt 2220  
 tctgggtatt aggaatacac tggttaacag gaccaaaaaa gaccctgcc tcactgagtt 2280  
 ttaaatTTTA gtggagagat ggaaaataat taaacaaata aacaatgtta tagattgt 2338

<210> 6859  
 <211> 4357  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <221> misc\_feature  
 <222> (198)...(953)  
 <223> similar to gi5911857 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 6859

aagcggctcg	ggctgcggt	ggctcagagt	gccgcggggg	gcgtggggcg	gtgctgagga	60
gctgaagccg	tggccagctc	gacgccggac	agtccagcga	gcagcacggc	gggaaccggc	120
agccggagca	gtcccggagc	agaagcagca	gcagcagcag	cagccctcgc	cgttcgcgga	180
gcgcagccga	gccggccatg	gcgttgctga	tgccgctgaa	tgggctgaag	gaggaggaca	240
aagagcccct	catcgagctc	ttcgtcaagg	ctggcagtg	tggtgaaagc	ataggaaact	300
gccccttttc	ccagaggctc	ttcatgattc	tttggtcaa	aggagtgtga	tttagtgtga	360
cgactgttga	cctgaaaagg	aagccagcag	acctgcagaa	cttggctccc	gggacccacc	420
caccatttat	aactttcaac	agtgaagtca	aaacggatgt	aaataagatt	gaggaatttc	480
ttgaagaagt	cttatgccct	ccaagtact	taaagctttc	accaaacac	ccagaatcaa	540
atactgctgg	aatggacatc	tttgccaaat	tctctgcata	tatcaagaat	tcaaggccag	600
aggctaata	agcactggag	aggggtctcc	tgaaaaccct	gcagaaactg	gatgaatc	660
tgaattctcc	tctccctgat	gaaattgatg	aaaatagtat	ggaggacata	aagttttcta	720
cacgtaaatt	tctggatggc	aatgaaatga	cattagctga	ttgcaacctg	ctgcccacac	780
tgcatattgt	caagggtgtg	gccaaaaaat	atcgcaactt	tgatattcca	aaagaaatga	840
ctggcatctg	gagataccta	actaatgcat	acagtaggga	cgagttcacc	aatacctgtc	900
ccagtataaa	ggaggttgaa	ataggcatat	agtgatgtag	ccaaaagact	tcaccaagta	960
aaatcgcggt	tgtaaaaaga	ggtgtctttc	atgtcttccc	cttaagggaat	acggttttcc	1020
taacaggcta	ctccttctct	tagagcagaa	attgtatttt	gcacgaacat	gcagttattg	1080
aagattagga	tcaaggatag	acaaggatata	gtagttatct	taaaatatac	actcctaagc	1140
agtattatatt	taaaatcctt	taccctggct	acctccccta	ccggggttcc	cctctcttta	1200
atgtggagac	actccaccac	aaacttttca	cttagagggt	agcttgccat	ctctcaggag	1260
ccctcaccat	tgtgtccatt	cactgtgtat	agatggcaga	acttttgagg	tgcaatgttt	1320
aattgttaaa	aatagtagcc	acgactttat	caggcagccc	caaactgggtg	cataatgcat	1380
ggtacaagaa	atatttatgt	attttttgga	attttgtaat	atntagtaag	agtatatgaa	1440
aggattgcta	ctgtatcaga	aatattgttt	caatttagtc	tatcctggat	atgtactaac	1500
gaatattacc	accagagaag	agagctttct	acaaaagtca	ctacagattt	tgctatatgt	1560
ctttgtagat	agattttttac	ttttgcctaa	aagcatttat	ccttcatacc	aattgtaaca	1620
tctgacacca	tgtagaagct	aaaagtttag	agggagttag	cgtttttctca	agaccttctt	1680
caagcatttt	atcttttagaa	gagaaactga	tgggcacctg	atactctgtc	taaatacgtt	1740
tgttatatgt	gttttgccct	gtgccattca	tttggaactt	tattgcattc	tttattttta	1800
aaaccttggt	tttacgtaat	catagagctt	gctattttgta	catctgttga	gcaacactac	1860
ataactgatt	tttagttgac	ttagctatag	cagtacaatg	attagtaatg	taaaaattaa	1920
cacagaaatt	aacctaaagg	atgaagggtg	ggtttgtcaa	aatatcaagt	aaatttttgt	1980
ttctaaagta	catttaaatgt	agatgacctc	aagaatgcgt	tatccatcct	atataaaaga	2040
aagataaaac	acaggtcacc	aatttttctca	tttcacccca	tttaccttgt	atagaggatt	2100
gttcattcct	ttgggactaa	gttatagtta	tgggtgagtgt	gtattttactg	tagttttgcc	2160
tgatctcact	cattgcactt	cctggagtta	aattttccaa	cagccatgtt	gaggaatagc	2220

```

actctgcatg tttttgtttt gtttttcggg gtttttttta attgaagccc taaaccagga 2280
attattttgtg ttctaacagg aggatgaact tgctgaaaat aaaactttgc tatgtattta 2340
ctctttttta aaagacaaaa gcaaaaccag actttctacg tactactcca aagactgtga 2400
ttgtgactat aatacathtt tggtaatttt ttataccta atttgatatag gaagtgtat 2460
ttctcatagg ctgtttcttg aaattttaag ttatttgctt taaaatggca gtgtttctcc 2520
cactttgata tgctaacatt tagtaagcac tggctttatg aaagcggctt ttataagta 2580
tactgcatta tttgagccta tcathtaatta gcttagtatg aaagataagg aaaaatctcc 2640
atgttgatc catttggtc aggaagattc tttgccttac ctttcttaga actctttatt 2700
gcttatcaaa agtttgagta cccgcttggt ttttttttgg taattaaata ttgtatgatt 2760
tatctgggtc aaggaagatg cactattcag ttatctattg agaaattatt ttgcagtggg 2820
tttagtgggt gaaaatgtcc catctgcacc agtacacagg caggcattat cattcttcac 2880
ctacttttta aatagtggca acttgggatt cattctggtg attctgaacc ttgcctcata 2940
gcttaaagta taaaaaagat tcaagagcag tgagggttgt tctttccagt gaatggtgga 3000
ctgagtgggt cgagggtggag ggctaacaag aggaaagaac tacattcttc agaatacagt 3060
gatgaaaatt cattttgaaa ctcaaataatt ttcatitttg atattctcct gtttttatta 3120
aaccagtgat tacacctggc catccctcta aatgttctag gaaggcatgt ctattgtgat 3180
tttgatgaag acagaattat ttttctctgt agaaacacag ataccacttt atcagggaag 3240
ttagtcaaat gaaatggaaa ttggtaaatg gacaaaagct agctagtaaa aaggacgacc 3300
cagcaacatg ctttaacccc attgtatgtt tgtggaaaga gcatagttta acatcttgag 3360
aaatttggga cataaagttt tcatggtaga cagttcatgc agtatatgaa ttgacataat 3420
ggaaataatc tgattttatt tttaacaacta acatccattc cccttcattt aaacaccttt 3480
tgtgttttac ttcagtggag agattggagt ctgaatggat ctgttttcca agagattctg 3540
agaaattttt gtattcagca gttggaaagc tctctattct agttgataaa acttcccttt 3600
tttgatgtag atgcagatat tctatacagt tctgttgtct ttacttagga ctgtaaactt 3660
tttgatgataa attcaaataa gattttattt cttggtaatt ttggctttca caatttatct 3720
ttaaatcctt gagcaatctg tatacaatta agagatttct gacatttatt cttacactaa 3780
atggatcaac tctaggattt aggcattgta acttctgttg tgttttgaat ctctccagag 3840
ttgcatgtag atagcattta tttctgtgcc cttaaacca tttagaaaat aactacaaag 3900
taaaaatgta gaggaaatag aaatgtattt tttcatgaac attttgatac aaatttcatc 3960
atttaattgat tcaccaattt cttgcattaa tttgaattta agcatttaat tcaaagagag 4020
gggagcatcc attattgata catgtgggct tttaaaaact ccattcctta taaatagtca 4080
aggtttgggc cacacaaagt atatttttat catggaaaaa tttcaactcc tcaagccgta 4140
atgttgaaaca gaattggagt attttcttta taatttcttg aacaggcaaa tgaaagctta 4200
ttatagaatg catgtatttt cttttatctt tggaacatca gcaccagtat attgtctggca 4260
gctattgtat taaaaaataa agtatatttt cactatcata aaggattctt ttttcccccc 4320
tcatgaaaat aaacaacaac ttggggtaaa aaaaaaa 4357

```

<210> 6860  
 <211> 2959  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (300)...(2684)  
 <223> similar to gi4454257 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 6860  
 tttcgtcgca ggggtgggag ctgttgccga agctgccaca gcaaaagttc tccccctcc 60

ccccctcccc	tcctctcaag	gcccctagaa	aggttggagc	tgccgcgcgc	tgcagtcggt	120
gaccgcgcga	ctcggcgccc	gcccgcggaa	tcggatggca	taagtgatta	agggtgtatt	180
gaggatttct	gaagcctatg	aaaggtagaa	actcaaccat	gatttctttt	tcaactctac	240
agcattcctt	tccttgaagt	cttcgttttt	accttagtct	cgggcagtta	tacttaagca	300
tgaacattga	cgacaaactg	gaaggattgt	ttcttaaatg	tggcggcata	gacgaaatgc	360
agtcttccag	gacaatgggt	gtaatgggtg	gagtgtcttg	ccagtctact	gtgtctggag	420
agctacagga	ttcagtactt	caagatcgaa	gtatgcctca	ccaggagatc	cttgctgcag	480
atgaagtgtt	acaagaaagt	gaaatgagac	aacaggatat	gatatcacat	gatgaactca	540
tgggtccatga	ggagacagtg	aaaaatgatg	aagagcagat	ggaaacacat	gaaagacttc	600
ctcaaggact	acagtatgca	cttaatgtcc	ctataagcgt	aaagcaggaa	attactttta	660
ctgatgtatc	tgagcaactg	atgagagaca	aaaaacaaat	cagagagcca	gtagacttac	720
agaaaaagaa	gaagcggaaa	caacgttctc	cgcgaaaaat	ccttacaata	aatgaggatg	780
gatcacttgg	tttgaaaacc	cctaaatctc	acgtttgtga	gcactgcaat	gctgccttta	840
gaacgaacta	tcacttacag	agacatgtct	tcattcatat	aggtgaaaaa	ccatttcaat	900
gtagtcaatg	tgacatgcgt	ttcatacaga	agtacctgct	tcagagacat	gagaagattc	960
atactggtga	aaaaccattt	cgctgtgatg	aatgtgggtat	gagattcaaa	caaaaatatc	1020
atatggaaag	gcataagaga	actcatagtg	gagaaaaacc	ttaccagtgt	gaatactggt	1080
tacagtattt	ttccagaaca	gatcgtgtat	tgaacataa	acgtatgtgc	catgaaaatc	1140
atgacaaaaa	actaaatata	tgtgccatca	aagggtggcct	tctgacatct	gaggaagatt	1200
ctggcttttc	tacatcacca	aaagacaact	cactgccaaa	aaagaaaagg	cagaaaacgg	1260
agaaaaaatc	atctggaatg	gacaaagaga	gtgcttttga	caaactctgac	ctgaaaaaag	1320
acaaaaatga	ttacttgcct	gtttattctt	caagtactaa	agtaaaagat	gagtatatgg	1380
ttgcagaata	tgtctgttga	atgccacatt	cgtcagttgg	gggctcgcat	ttagaagatg	1440
cgtcaggaga	aatacaccca	cctaagttag	ttcatcaaaa	aaattaatag	taagagaagt	1500
ctgaaacagc	cactggagca	aaatcaaaca	atttcacctt	tatccacata	tgaagagagc	1560
aaagtttcaa	agtatgcttt	tgaacttgtg	gataaacagg	ctttactgga	ctcagaaggc	1620
aatgctgaca	ttgatcaggt	tgataatttg	caggaggggc	ccagtaaacc	tgtgcatagt	1680
agtactaatt	atgatgatgc	catgcagttt	ttgaagaaga	agcgggtatct	tcaagcagca	1740
agtaacaaca	gcagggaata	tgcgctgaat	gtgggtacca	tagctttctca	gccttctgta	1800
acacaagcag	ctgtggcaag	tgtcattgat	gaaagtacca	cggcatccat	attagagtca	1860
caggcactga	atgttgagat	taagagtaat	catgacaaaa	atgttattcc	agatgaggta	1920
ctgcagactc	tgttggtatca	ttattccac	aaagctaata	gacagcatga	gatattcctc	1980
agtgttgcag	atactgaagt	gacttctagc	atatcaataa	attcttcaga	agtaccagag	2040
gtcaccccat	cagagaatgt	tggatcaagc	tcccaagcat	cctcatcaga	taaagccaac	2100
atgttgcagg	aatactccaa	gtttctgcag	caggcttttg	acagaactag	ccaaaatgat	2160
gcctatttga	atagcccgag	ccttaacttt	gtgactgata	accagaccct	cccaaatacag	2220
ccagcattct	cttccataga	caagcaggtc	tatgccacca	tgcccatcaa	tagcttttga	2280
tcaggaatga	attctccact	aagaacaact	ccagataagt	cccacttttg	actaatagtt	2340
ggtgatccac	agcactcatt	tcccttttca	ggtgatgaga	caaaccatgc	ttctgccaca	2400
tcaacacagg	actttctgga	tcaagtgact	tctcagaaga	aagctgaggc	ccagcctgtc	2460
caccaagctt	accaaataag	ctcctttgaa	cagcccttcc	gtgctcccta	tcatggatca	2520
agagctggaa	tagctactca	atttagcact	gccaatggac	agggtgaacct	tcggggacca	2580
gggacaagtg	ctgaattttc	agaatttccc	ttggtgaatg	taaatgataa	tagagctggg	2640
atgacatctt	cacctgatgc	cacaactggc	cagacttttg	gctaaaaaaa	aaaaaaaggg	2700
gaaataatac	tggcccttta	aaacagatta	atcaagaggg	gggttactct	gtgtaaatgg	2760
agtgtgttac	agatttaaga	gcaatgcgta	ataacaagtt	aagctgatat	gaatagcaag	2820
ataatccaat	aactgcattt	cgtttggtta	gtcagcattc	tttgaactgc	cttacatgtt	2880
gtcaccttta	tagaagcaat	gcattacttg	ttttagataa	gacacctgct	attccaccca	2940
caccaagtta	aaaaaaaa					2959

<210> 6861

<211> 1583

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (612)...(1453)

<223> similar to gil78997 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 6861

aattcccaga caacgcacgc tgatcaacta cttgaatttt ttaaacaagt tggagaagtg 60  
aagtttgtgc ggatggcagg tgatgagact cagccaactc ggtttgcttt tgtggaattt 120  
gcagacccaaa attctgtacc aagggccctt gcttttaatg gagttatgtt tggagacagg 180  
ccactgaaaa taaatcactc caacaatgca atagtaaaac cccctgagat gacacctcag 240  
gctgcagcta aggagttaga agaagtaatg aagcgagtac gagaagctca gtcatttatc 300  
tcagcagcta ttgaaccagg gtggctgcac tcaacgagtt tatgcaatga ctttcttgga 360  
tgtttctgaa ggaggaggat gtacagagag tagggccctt gcactatatg tggtagattc 420  
cacttggtgcc tgattattaa ctgggatctt taattgttct gagcttacac tgcaaagtga 480  
ttttttcctc ccagagtctg gaaagagcaa tgaaagaaaa ggcggtcgat ctcgttccca 540  
tactcgctca aaatccaggt ctagctcaaa atccattctt agaaggaaaa gatcacaatc 600  
aaaacacagg agtagatccc ataatagatc acgttcaaga cagaaagaca gacgtagatc 660  
taagagccca cataaaaaac gctctaaatc aaggggagaga cggaagtcaa ggagtcgttc 720  
gcattcacgg gacaagagaa aagacactcg agaaaagatc aaggaaaagg aaagagtga 780  
agagaaagac agggaaaagg agagagagag ggaaaaggaa cgtgaaaaag aaaaggaacg 840  
gggtaaaaac aaagaccggg acaaggaacg ggaaaaggac cgggaaaaag acaaggaaaa 900  
ggacagagag agagaacggg aaaaagagca tgagaaggat cgagacaaag agaaggaaaa 960  
ggaacaggac aaagaaaagg aacgagaaaa agacagatcc aaagagatag atgaaaaaag 1020  
aaagaaggat aaaaaatcca gaacaccacc caggagttac aatgcacgcg gaagatctcg 1080  
tagttccagc agggaaaagg gtaggaggag gagcaggagt tcttccagat cgccaagaac 1140  
atcaaaaaacc ataaaaaggga aatcttctag atctccgtcc cccaggagca gaaataagaa 1200  
ggataaaaaag agagaaaaag aaagggacca catcagtga agaagagaga gagaacgttc 1260  
aacgtctatg agaaagagtt ctaatgatag agatgggaag gagaagttgg agaagaacag 1320  
tacttcactt aaagagaaag agcacaataa agaaccagat tcaagtgtga gcaaagaagt 1380  
agatgacaag gatgcacca ggactgagga aaacaaaata cagcacaatg ggaattgtca 1440  
gctgaatgaa gaaaacctct ctacccaaac agaagcagta taggaccgac aagtgtacct 1500  
ctgcactcaa tgctggaatc aaatccaaag cttttaattc tctcaacaag atgtaaacag 1560  
gaaagaaatc tagttgagca tga 1583

<210> 6862

<211> 835

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (166)...(395)

<223> similar to gi456382 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters



```

<400> 6862
tttttttttt ttagggaaaa aaaaaaaaaac cccttcagtt tcctgggtgtg atcctgggta 60
aaatggatga tttttcattg aaagttttgc tgattaacaa ttaaagtggg atgatatgtg 120
ggcaaaatca cttatgaaag tagaagcaag aatcagttgg tttgctacca cataaagcca 180
tgctgtatatt tgggtcaaaact gtgtaaactg gaaaaattca catcatttct gagtttaatc 240
acttttaggat atattcacat tgttttggtg aatttgctga attgaattgt ttttctttct 300
caaatctgtg atctcttttc tttatcctgt ttctttgttc ctttcgtttg ctttcttatt 360
tttcttttgt tccattcttt tcttactttt ttcccttttc cttttttggg gaggctggct 420
agtagtgtgt gagaaaagaa tagaagtga aattgcataa tgaatgtaa agggaaataa 480
aagtcttttg aaggtagcta tactagcact tttgatcatc ttcagggcc caaaaaatgt 540
tgtcaagatt ttaaaggttt ataattctgc ttaagctcta gtttggaact aggtatccta 600
actatgttgg aggtatttgc attgttttaa gttaggataa aagcaagttc ctctgtgac 660
tgcaacgtct tactgattgg gacagttgcc aggaggatac caacttgata gcagaggggg 720
ttttatgcaa acgcactcac ctccgccttg gggaatgaaa gggtcacttc tgcacatca 780
ctagctagtt ttctagtgtt agagaggcct acaaatgttt gccatttctca taagt 835

```

```

<210> 6863
<211> 985
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (572)...(94)
<223> similar to gil86800 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 6863
ttttcataac catgctgtgt ttttattttt agttgtcaaa tgatccttta ttgaaatttt 60
ttccttcgta gttcatagct agctggatat ttacttgcac cactgttgat ttgatgtcat 120
ctatgatgtc aggaggctgg cgcccatcaa cattggagct cacagactgg gcagtctcca 180
agatctcttt acgggtccca gagagttctg tgactaagga ttggtgctgc atctgtcatg 240
caatcttgac agtgtcatga aaaatggcat ttccactgtg cttgattgtt ttgcttcttt 300
ctgtctctgg ttccttgagg gctttgatgc tcacggcaga ggcagaaagt accacctcag 360
tctgagcctg tctgttctga atggtcagtt tcattgtaat cctttgactc ttctggtgac 420
ctgtggcctt gggaatgtca tcaccaactt attttggaaga cagggtccaga gggttgatct 480
taagggtcag ggcagacatg gtacccagtt ttccaccagg gcacctggca ggtatatgac 540
tgatctcatt ggggttgaac ttgggcagca tggcagaggt ggctagatga acccagatgt 600
agtatgactg aagaaatgtg cactttggct tcctccaagc caagaggccc atgctgttgg 660
ttttcctttc tgtgttacat attggcatgg gccacttggg gggggtcctt tttgctgagt 720
tttaagttag gagcagaaca cagtcttttt tctcttttgg gattcctttc tttcaattta 780
tctactactt gtgatatcag ccctgaatgg agaagccaag atacataaaa ctcaactttc 840
ccctttaatc tctatctttt cttcccttga cattcccttg gtttgaaaag gaaaaacacc 900
ccatcttttc tgtgcagtag ggacacctct tacatcaaag gtcatttctc tctaccaata 960
gctttagaat tcagggttcat tgttc 985

```

<210> 6864  
 <211> 893  
 <212> DNA  
 <213> Homo sapiens  
 <220>  
 <221> misc\_feature  
 <222> (261)...(638)  
 <223> similar to gi2292990 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 6864  
 ggaagggggg cccccggagg ttttttttta tgggcccccc cccttttttt taattatatt 60  
 tttttttatt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt 120  
 tttttttttt tttttggcat ttttaattta ggtttgtttt atttaagttt aatgttaatt 180  
 ccatgctgtg tttcagtaag aacaatacag attctgtatc tgtggctcca gtcagatata 240  
 cagtagtaca aattagcttc aagttacaca tactgaacaa aagagggtga gcgagcgaag 300  
 gaggggagga gtgaggggaa ggaggtaggg ggagggggaa ggagaagaaa caaaagaatt 360  
 gaacaggcat gcaggctttt ccataccacc ttcaacgcta acctgcttca gtgggagagt 420  
 aaagtaggca agaattgagca gccacggatt gttgaactgt taccagcacc atgcttttca 480  
 gcaacatttc agcggagttg gaaacatttt ttacagcaaa accattacaa cgaagtccct 540  
 ccccaaacca cctttaacca tctcaagcta acacccaatt acttgcaaac actggtataa 600  
 aacacagttt aaacaattag aaaaatgaaa actgatacca cttatgcctc tatagtgtga 660  
 ttaacctctc tcttagatgc ttgcatcacc tataagtcta atggctttca aatgtaattt 720  
 ccatttgcta atggtgatct tgccacatct ggcacggaga cgacacagta atgctgaaaa 780  
 agcctctatg tagtcctggt agtgtcttaa agaacctaaa agctgggacc agtaaaatcc 840  
 acagaaattc actcttgccct ttaagaactt ttgaaaactg tttaaaaaaa aaa 893

<210> 6865  
 <211> 3365  
 <212> DNA  
 <213> Homo sapiens  
 <220>  
 <221> misc\_feature  
 <222> (597)...(2360)  
 <223> similar to gi575268 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 6865  
 attacgcgaa caaatccttt ccgcaagagc tgagggacct ggggtgcaacg cattctggaa 60  
 attgtagtct ctgggcgctc ccggctgaac acctccctgc ggtctgtgcg agaaagagcc 120  
 agaagcccc aggggagggc gaagaggagg gcggtggagt acgctctgcg cgcggtgcgc 180  
 catggaacgg gtagttcgcg gtgcgcgccc catcgcgctc ccagatgggg aaccggacta 240  
 ctctaccgga gaggccgcgc gagcggggcg agggcaagcc gcccggggcc tcgaacaaat 300  
 caaatcgaag caaagaaact gccggctttc aaaatcctcc tcctccgcca tcatccgcgc 360

cggtgaggag	agcaggtggt	gctggaagcg	cgtgaggccg	ggagctcgag	agagctaaca	420
gactagccgg	ctggacatct	ggaccgctgg	atccggaggt	ggcgaccccg	gcctgacccg	480
gaccctaaat	ccgtccccgc	cccagagggc	ggaggcgcg	gctcgattcc	cccaacgcgg	540
cggcgcgcgc	tgtttacgtc	tgcagatctc	caggggagcc	caccagccta	gtcaacatgg	600
cctcggaaga	cattgccaag	ctggcagaga	cacttgccaa	gactcaggtg	gccgggggac	660
agctgagttt	caaaggcaag	agcctcaaac	tcaacactgc	agaagatgct	aaagatgtga	720
ttaaagagat	tgaagacttt	gacagcttgg	aggctctgcg	tctggaaggc	aacacagtgg	780
gcgtggaagc	agccagggtc	atcgccaagg	ccttatagaa	gaagtcggag	ttgaagcgct	840
gccactggag	tgacatgttc	acgggaaggc	tgcggaccga	gatccccacca	gccctgatct	900
cactagggga	aggactcatc	acagctgggg	ctcagctggg	ggagctggac	ttaagcgaca	960
acgcattcgg	gcccgcaggt	gtgcaaggct	tgcaggccct	gctcaagagc	tcagcctgct	1020
tcaccctgca	ggaactcaag	ctcaacaact	gtggcatggg	cattggcggc	ggcaagatcc	1080
tggctgcagc	tctgaccgaa	tgtcaccgga	aatccagtgc	ccaaggcaag	cctctggccc	1140
tgaaggctct	tgtggctggc	agaaaccgtc	tggagaatga	tggcgccact	gccttggcag	1200
aagcttttag	ggtcatcggg	accctggagg	aggctccacat	gccacagaat	gggatcaacc	1260
accctggcat	cactgccctg	gcccaggctt	tgcgtgtcaa	ccccctgctg	cgggtcatca	1320
acctgaatga	caacaccttc	actgagaagg	gcgcctgggc	catggccgag	accttgaaga	1380
ccttgcgga	ggtggaggtg	attaattttg	gggactgcct	ggtgcgctcc	aagggtgcag	1440
ttgccattgc	agatgccatc	cgcggcggcc	tgcccaagct	aaaggagctg	aacttgtcat	1500
tctgtgaaat	caagagggat	gctgccctgg	ctgttgctga	ggccatggca	gacaaagctg	1560
agctggagaa	gctggacctg	aatggcaaca	ccctgggaga	agaaggctgt	gaacagcttc	1620
aggaggtgct	ggagggcttc	aacatggcca	agggtgctgg	gtccctcagt	gatgacgagg	1680
acgaggagga	ggaggaggaa	ggagaagagg	aagaagagga	agcagaagaa	gaggaggagg	1740
aagatgagga	agaggaggaa	gaagaggagg	aggaggagga	agaagagcct	cagcagcgag	1800
ggcagggaga	gaagtacagc	acgccctcac	ggaagattct	ggaccctaac	actggggagc	1860
cagctcccgt	gctgtcctcc	ccacctcctg	cagacgtctc	caccttcctg	gcttttccct	1920
ctccagagaa	gctgctgcgc	ctagggccca	agagctccgt	gctgatagcc	cagcagactg	1980
acacgtctga	ccccgagaag	gtggtctctg	ccttcctaaa	ggtgtcatct	gtgttcaagg	2040
acgaagctac	tgtgaggatg	gcagtgcagg	atgcagtaga	tgccctgatg	cagaaggctt	2100
tcaactcttc	gtccttcaac	tccaacacct	tccctaccag	gctcctcgtg	cacatgggtc	2160
tgtcaagag	tgaagacaag	gtcaaggcca	tgtccaacct	gtacggcccc	ctgatggcgc	2220
tgaaccacat	ggtgcagcag	gactatttcc	ccaaggccct	tgcacccctg	ctgctggcgt	2280
tcgtgaccaa	gcccacagc	gccctggaat	cctgtcctct	cgcccgcac	agtctgctgc	2340
agacgtctga	caaggctctag	actcaaagcc	tctcccatcc	cttggcctgg	accagtgagc	2400
tggggaggga	ctcggatgaa	ctgaggcgca	gcctacgcca	ttgccttggg	caggactctg	2460
gccacaggca	gggcgggtct	gtgtcccatg	tgtcctgtca	gtcccctgag	tatgtgtgtg	2520
ggtgtggcgc	atgtgcaggt	ctgtgcctcc	tgtcgggatt	tgggttttaa	cgtcttctgc	2580
tggcccagcc	ctgctctgtt	gtggggagtt	ggcccccagg	ggaaagggtc	gtgagctgct	2640
cgcatttaa	actcacctcc	acctgagggc	gctctgctga	tctccgcctg	ggccctgatg	2700
gccgtcccca	cccacctgcc	ttccggcccg	gctccctggc	ggagccagaa	cccaaggagt	2760
tgcgcgcgtg	ctgtccttcc	cctctgtgtt	gtgattgggt	tgtttcctgc	cctgcctggg	2820
gctgtctctc	gtcacciaagc	cctggtcctg	cggcagctgt	caccctacc	atccatacca	2880
ctgtgctgac	cgctcagcct	gaagagcaga	gaatgccatg	ggtgggactg	tgggggtcgg	2940
atcgtggggg	tgttggcaga	gggcaaccct	gggccccaca	ccgtgtggac	aggcagacac	3000
cagattgtcc	aggagcagga	gctgctggga	ctgcgctggc	cccgaccta	gtgggccttc	3060
tccctggctgc	tgagatgtcg	tctgtgactg	gcctggctgg	agggggagtg	ttgacaaccc	3120
aaagctgttc	tccagtctgg	ggagggagag	gcagggctcc	caatgtccga	gctgcatctg	3180
gacgtgctc	ttaaaggacc	tccctgggca	ggggagcggg	agggctctga	ctgggcagat	3240
gctgtatgac	ctccctgagc	acccgtgact	gccccatgct	ttcccttttg	tgctctgtgt	3300
gtgtctgggc	tgtgcccggg	ggcttcacaa	ataaagtcgt	gtggcagctt	cagagaaaaa	3360
aaaaa						3365

<211> 396  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <221> misc\_feature  
 <222> (186)...(294)  
 <223> similar to gi2765297 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 6866  
 ggcacgagga cttttcagtg gaaacccctt acaggccaag agagagaggc atgacatatt 60  
 taaagtgctg aaggaaaaaa cttctaccct agaatagtat atctggtgaa aatattcttc 120  
 aaacatgaag gagaaataac gacttcataa gacagagaag tcgagtaatt tcatcaacac 180  
 cagacctgtc ccacacaaat gctaaaggga gttcttcaat ctgaaagaaa aggatgttaa 240  
 tgagcaataa gaaatcatct gaaggtacaa aactgactgg taatagtaag tacacagaaa 300  
 aacacagaat actatattaa taacaataat tatggtgtat aaacgactca tatcatgaaa 360  
 agatgaattg atcaagaata ataactacaa caactt 396

<210> 6867  
 <211> 360  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <221> misc\_feature  
 <222> (18)...(13)  
 <223> similar to gil83885 in the genepept database release 114,  
 Run with FASTXY 3.3t00, default parameters

<400> 6867  
 ggcacgagca atactctcct attccaaact ccatgaggca ttcttcaaac gacgacgacg 60  
 ctactatcac aagcctgtgg cgcgagggtga atgtctagga ctctggttga gaaaccctca 120  
 gaaggctcat ggacggctac ccatggtccc aaaggctctt tgaccatggt cagacgctgt 180  
 gctctgcctc tgccatcatg ggcaacccca gagcctaggc acatggcacg aagggtgctga 240  
 cttccttggg agatgccata aagccacctg atgatctcaa gggcaccttt gtccctctga 300  
 gtgaactgca ctgtgacaag ctgcatgtgg atcctgagaa cttcaagctc ctgtgaaatg 360

<210> 6868  
 <211> 1348  
 <212> DNA  
 <213> Homo sapiens